Gov Doc
C3.158:

BOSTON
PUBLIC
LIBRARY

BOSTON
PUBLIC
LIBRARY

C
3.158:
M3-1(83)-1

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
MAR 28 1983
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

JANUARY 1983
M3-1(83)-1
FOR WIRE TRANSMISSION 2:30 P.M. E.S.T. THURSDAY, MARCH 3, 1983

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in January increased $3.8 billion or 2.4 percent from December to $160.1 billion, the Department of Commerce, Bureau of the Census reported today. This is the third consecutive monthly increase in this series. The January orders estimate is $12.0 billion below the high recorded in July 1981 of $172.1 billion.

Shipments of manufactured goods in January increased $3.4 billion or 2.2 percent to $156.2 billion. Shipments had been relatively unchanged in October through December at approximately $152 billion. The backlog of orders held by manufacturers at the end of January showed an increase of $3.9 billion or 1.3 percent to $298.4 billion, following a 1.2 percent increase in December. Prior to that, the orders backlog had declined 16 consecutive months. The increase in the orders backlog the last 2 months was mainly caused by large defense orders. Without the defense category, the orders backlog in December declined 1.3 percent but in January showed a small increase of 0.2 percent.

The book value of manufacturers' inventories decreased in January $2.6 billion or 1.0 percent to $262.6 billion. Except for a small increase last February, inventories have been declining since November 1981 when they were valued $23.1 billion higher at $285.8 billion. The inventory to shipments ratio for January dropped to 1.68, down substantially from the December ratio of 1.74.

Within the durable goods sector, the January new orders of $80.7 billion include $8.6 billion in defense orders. Although defense orders for January were down 24 percent from December, the January orders level is second only to the record December estimate of $11.3 billion. Without the defense decline, new orders for durable goods increased 10.5 percent in January.

Within the major industry categories, the January increase in orders was predominantly in noncapital goods items: steel orders were up $1.0 billion or 40 percent to $3.5 billion; nonferrous metal orders were up $0.4 billion or 12 percent to $4.0 billion; motor vehicle and parts orders were up $1.7 billion or 20 percent to $10.6 billion; and construction related industries, i.e., lumber, furniture, and stone, clay, and glass products were together up 14 percent. New orders for nondefense capital goods in January increased $0.8 billion or 3.7 percent to $20.9 billion. New orders for nondurable goods were down $0.3 billion or 0.4 percent for the month to $79.3 billion.

As with new orders, the January increase in manufacturers' shipments of 2.2 percent was attributable to the durable goods sector, where increases in noncapital goods categories were widespread. The motor vehicle and parts industry accounted for over half the increase, going up $1.8 billion or 21 percent to $10.4 billion. Within the capital goods categories, shipments of nondefense capital goods were down $0.5 billion or 2.3 percent to $21.4 billion; while shipments of defense capital goods were down $0.1 billion or 1.1 percent to $5.0 billion.

Although the value of the orders backlog increased in January 1.3 percent and in December 1.2 percent following 16 consecutive monthly declines, the patterns of change among the industries were mixed. For the capital goods sector, the backlog of orders for nondefense capital goods continued downward, declining $0.5 billion or 0.4 percent to $122.4 billion in January, while the defense backlog continued increasing, this month up $3.5 billion or 3.9 percent to $94.3 billion.

The decrease in the book value of manufacturers' inventories was concentrated in the durable goods sector where every major industry category except lumber showed declines. Within the nondurable goods sector, the value of inventories increased $0.4 billion or 0.4 percent to $88.6 billion, with the largest increase coming in the petroleum products industry, which was up $0.5 billion or 5.1 percent to $9.7 billion.

The advance report on durable goods for February is scheduled for release on March 22, 1983, and full report is scheduled for release on March 31, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	1983[p]	1982
	All manufacturing industries	156,210	152,815	152,343	152,473	+2.2	+0.3	-0.1	144,954	148,554	151,967	157,882	144,954	144,431
	Manufacturing industries with unfilled orders	80,835	79,056	78,244	77,797	+2.3	+1.0	+0.6	73,914	77,687	78,235	80,800	73,914	74,790
	Durable goods industries	76,957	73,373	72,708	72,342	+4.9	+0.9	+0.5	69,594	71,331	72,301	75,845	69,594	68,605
32	Stone, clay, and glass products	4,056	3,697	3,709	3,720	+9.7	-0.3	-0.3	3,378	3,307	3,685	4,021	3,378	3,238
322	Glass containers	432	398	429	454	+8.5	-7.2	-5.5	391	357	413	461	391	414
33	Primary metals	7,879	7,565	7,315	7,689	+4.2	+3.4	-4.9	7,564	7,052	7,041	7,797	7,564	9,634
331	Blast furnaces, steel mills	3,257	3,148	3,061	3,065	+3.5	+2.8	-0.1	3,146	3,007	2,942	3,077	3,146	4,837
333-9	Nonferrous and other primary metals	3,830	3,766	3,562	3,922	+1.7	+5.7	-9.2	3,673	3,465	3,412	3,973	3,673	3,969
34	Fabricated metal products	9,117	8,794	9,108	8,921	+3.7	-3.4	+2.1	8,253	8,306	8,928	9,391	8,253	8,360
341	Metal cans, barrels, and drums	891	827	899	890	+7.7	-8.0	+1.0	741	705	747	852	741	815
35	Machinery, except electrical	14,291	14,352	14,535	14,044	-0.4	-1.3	+3.5	12,825	15,095	14,015	14,204	12,825	14,455
351	Engines and turbines	961	966	1,004	1,017	-0.5	-3.8	-1.3	937	972	933	978	937	1,257
352	Farm machinery and equipment	897	955	1,093	1,036	-6.1	-12.6	+5.5	848	798	883	1,115	848	938
353	Construction, mining, and material handling equipment	2,003	2,355	2,487	2,469	-14.9	-5.3	+0.7	1,943	2,235	2,335	2,464	1,943	2,869
354	Metalworking machinery	848	695	726	711	+22.0	-4.3	+2.1	747	724	706	729	747	911
356	General industrial machinery	1,309	1,237	1,249	1,197	+5.8	-1.0	+4.3	1,169	1,239	1,192	1,269	1,169	1,260
357	Office and computing machines	3,512	3,740	3,383	3,147	-6.1	+10.6	+7.5	2,743	4,933	3,545	3,147	2,743	2,536
36	Electrical machinery	11,645	11,340	11,163	11,220	+2.7	+1.6	-0.5	10,798	11,226	11,281	11,708	10,798	10,410
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,599	1,758	1,578	1,556	-9.0	+11.4	+1.4	1,525	1,684	1,567	1,575	1,525	1,673
363	Household appliances	1,269	1,004	1,063	1,052	+26.4	-5.6	+1.0	1,097	920	1,010	1,111	1,097	860
365	Radio and TV	677	552	528	553	+22.6	+4.5	-4.5	561	567	634	663	561	537
366	Communication equipment	3,818	3,826	3,660	3,953	-0.2	+4.5	-7.4	3,513	3,956	3,620	3,956	3,513	3,313
367	Electronic components	2,428	2,381	2,425	2,288	+2.0	-1.8	+6.0	2,326	2,262	2,429	2,391	2,326	2,260
37	Transportation equipment	17,666	16,051	15,088	15,053	+10.1	+6.4	+0.2	16,142	15,445	15,548	16,183	16,142	12,640
371	Motor vehicles and parts	10,391	8,601	8,082	7,923	+20.8	+6.4	+2.0	9,786	7,616	8,535	9,223	9,786	6,979
372,6	Aircraft, missiles, and parts	5,845	5,997	5,527	5,778	-2.5	+8.5	-4.3	5,063	6,364	5,589	5,569	5,063	4,270
3731	Shipbuilding and military tank vehicles	811	915	960	852	-11.4	-4.7	+12.7	748	971	947	871	748	724
38	Instruments and related products	3,884	3,858	3,765	3,753	+0.7	+2.5	+0.3	3,503	3,878	3,853	3,895	3,503	3,379
381-4	Scientific and engineering instruments	2,343	2,368	2,170	2,137	-1.1	+9.1	+1.5	2,210	2,390	2,160	2,169	2,210	2,084
386	Photographic goods	1,346	1,278	1,372	1,384	+5.3	-6.9	-0.9	1,124	1,301	1,465	1,467	1,124	1,114
24,25, 39	All other durable goods	8,419	7,716	8,025	7,942	+9.1	-3.9	+1.0	7,131	7,022	7,950	8,646	7,131	6,489
	Nondurable goods industries	79,253	79,442	79,635	80,131	-0.2	-0.2	-0.6	75,360	77,223	79,666	82,037	75,360	75,826
20	Food and kindred products	22,726	22,277	22,339	22,392	+2.0	-0.3	-0.2	21,187	22,430	22,830	23,207	21,187	20,580
201	Meat products	6,002	6,000	5,904	6,072	0.0	+1.6	-2.8	5,864	6,132	6,045	6,400	5,864	5,653
208	Beverages	3,104	2,928	2,808	2,846	+6.0	+4.3	-1.3	2,589	2,656	2,850	3,008	2,589	2,489
207	Fats and oils	1,471	1,359	1,316	1,237	+8.2	+3.3	+6.4	1,460	1,369	1,359	1,253	1,460	1,431
203-6,9	All other foods	9,131	8,852	9,090	9,015	+3.2	-2.6	+0.8	8,392	9,188	9,336	9,340	8,392	8,095
21	Tobacco products	1,122	1,310	1,081	1,207	-14.4	+21.2	-10.4	1,067	1,341	1,103	1,260	1,067	1,083
22	Textile mill products	4,074	4,295	3,988	4,084	-5.1	+7.7	-2.4	3,705	4,012	4,035	4,292	3,705	3,553
26	Paper and allied products	6,948	6,502	6,486	6,519	+6.9	+0.2	-0.5	6,647	5,976	6,278	6,598	6,647	6,416
261-3	Pulp, paper etc.	2,758	2,603	2,698	2,644	+6.0	-3.5	+2.0	2,598	2,432	2,651	2,670	2,598	2,667
265	Paperboard containers	1,565	1,511	1,481	1,511	+3.6	+2.0	-2.0	1,474	1,356	1,446	1,587	1,474	1,415
264,6	All other paper products	2,625	2,388	2,307	2,364	+9.9	+3.5	-2.4	2,575	2,188	2,181	2,341	2,575	2,334
28	Chemicals and allied products	13,991	14,189	14,003	13,548	-1.4	+1.3	+3.4	13,564	13,556	13,163	13,164	13,564	13,360
281,6	Industrial chemicals, except pigments	4,207	4,443	4,388	4,356	-5.3	+1.3	+0.7	4,085	4,288	4,124	4,138	4,085	4,476
283,4	Drugs, soaps, and toiletries	4,009	4,132	4,159	3,852	-3.0	-0.6	+8.0	3,820	4,108	4,001	3,960	3,820	3,375
29	Petroleum and coal products	14,871	15,818	16,467	17,352	-6.0	-3.9	-5.1	15,101	16,022	16,429	17,098	15,101	17,298
30	Rubber and plastics products	3,569	3,337	3,423	3,483	+7.0	-2.5	-1.7	3,306	3,007	3,264	3,699	3,306	3,375
23,27, 31	All other nondurable goods	11,952	11,714	11,848	11,546	+2.0	-1.1	+2.6	10,783	10,879	12,564	12,719	10,783	10,161
	Market categories:													
	Home goods and apparel	10,900	10,313	10,636	10,909	+5.7	-3.0	-2.5	9,380	8,914	11,190	12,283	9,380	9,011
	Consumer staples	30,340	30,388	30,176	29,943	-0.2	+0.7	+0.8	28,141	30,492	30,834	31,111	28,141	26,920
	Equipment and defense products, except automotive	23,944	24,531	23,794	23,707	-2.4	+3.1	+0.4	21,308	25,963	23,248	23,787	21,308	21,622
	Automotive equipment	12,090	10,110	9,564	9,315	+19.6	+5.7	+2.7	11,243	8,885	9,908	10,766	11,243	8,271
	Construction materials, supplies and intermediate products	12,445	11,267	11,555	11,537	+10.5	-2.5	+0.2	10,439	10,410	11,323	12,278	10,439	9,555
	Other materials, supplies, and intermediate products	66,491	66,206	66,618	67,062	+0.4	-0.6	-0.7	64,443	63,890	65,464	67,657	64,443	69,052
	Supplementary series:[2]													
	Capital goods industries	26,489	27,053	26,392	26,297	-2.1	+2.5	+0.4	23,769	28,630	26,223	26,384	23,769	24,434
	Nondefense	21,447	21,953	21,441	21,372	-2.3	+2.4	+0.3	19,229	23,241	21,283	21,402	19,229	20,836
	Defense	5,042	5,100	4,951	4,925	-1.1	+3.0	+0.5	4,540	5,389	4,940	4,982	4,540	3,598
	Household durable goods industries	4,895	4,419	4,676	4,835	+10.8	-5.5	-3.3	4,177	4,065	4,819	5,394	4,177	4,016

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	1983[p]	1982
	All manufacturing industries	160,062	156,263	150,362	149,696	+2.4	+3.9	+0.4	152,446	153,211	148,975	157,190	152,446	147,978
	Durable goods industries.....	80,724	76,593	70,607	69,598	+5.4	+8.5	+1.4	76,672	75,718	69,430	75,222	76,672	71,856
32	Stone, clay, and glass products.	4,027	3,650	3,715	3,676	+10.3	-1.7	+1.1	3,422	3,247	3,672	3,949	3,422	3,146
33	Primary metals.....	8,274	6,655	7,466	6,943	+24.3	-10.9	+7.5	8,426	7,284	7,065	7,180	8,426	9,346
331	Blast furnaces, steel mills...	3,466	2,485	3,056	2,795	+39.5	-18.7	+9.3	3,491	3,176	2,962	2,877	3,491	4,480
333-9	Nonferrous and other primary metals.....	3,977	3,546	3,729	3,534	+12.2	-4.9	+5.5	4,109	3,537	3,416	3,625	4,109	4,033
34	Fabricated metal products.....	9,002	8,426	8,186	8,297	+6.8	+2.9	-1.3	8,313	8,031	7,853	8,595	8,313	8,152
35	Machinery, except electrical....	13,351	12,488	12,970	13,824	+6.9	-3.7	-6.2	12,288	13,180	12,825	13,928	12,288	14,231
351	Engines and turbines.....	983	-342	910	1,198	(n)	-137.5	-24.0	971	-350	762	1,422	971	1,028
353	Construction, mining, and material handling equipment..	1,870	1,884	2,391	2,009	-0.7	-21.2	+19.0	1,858	1,873	2,160	2,099	1,858	2,678
354	Metalworking machinery.....	695	598	587	601	+16.2	+1.9	-2.3	630	587	572	614	630	684
356	General industrial machinery..	1,116	1,153	1,049	1,042	-3.2	+9.9	+0.7	1,127	1,086	972	1,109	1,127	1,355
357	Office and computing machines.	3,209	4,174	2,465	3,532	-23.1	+69.3	-30.2	2,411	5,193	3,136	3,070	2,411	2,712
36	Electrical machinery.....	11,957	12,473	12,193	11,115	-4.1	+2.3	+9.7	11,784	12,144	11,887	12,127	11,784	11,588
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,355	1,691	1,828	1,504	-19.9	-7.5	+21.5	1,371	1,557	1,718	1,533	1,371	1,753
363	Household appliances.....	1,316	1,024	1,115	1,022	+28.5	-8.2	+9.1	1,178	947	1,022	1,060	1,178	909
365	Radio and TV.....	665	570	597	484	+16.7	-4.5	+23.3	542	588	663	538	542	514
366	Communication equipment.....	3,979	4,826	4,308	3,723	-17.6	+12.0	+15.7	4,141	4,941	4,061	4,476	4,141	4,189
367	Electronic components.....	2,763	2,542	2,412	2,582	+8.7	+5.4	-6.6	2,761	2,302	2,382	2,544	2,761	2,435
37	Transportation equipment.....	21,677	21,732	14,567	14,267	-0.3	+49.2	+2.1	21,488	21,416	14,731	17,268	21,488	15,360
372,6	Aircraft, missiles, and parts.	8,898	7,395	5,193	5,108	+20.3	+42.4	+1.7	9,274	8,050	4,938	6,739	9,274	6,326
3731	Shipbuilding and military tank vehicles.....	1,636	5,047	942	727	-67.6	+435.8	+29.6	1,614	5,091	892	730	1,614	1,306
38	Instruments and related products	4,010	3,667	3,826	3,691	+9.4	-4.2	+3.7	3,693	3,753	3,804	3,827	3,693	3,365
24,25, 39	All other durable goods.....	8,426	7,502	7,684	7,785	+12.3	-2.4	-1.3	7,258	6,663	7,593	8,348	7,258	6,666
	Nondurable goods industries.....	79,338	79,670	79,755	80,098	-0.4	-0.1	-0.4	75,774	77,493	79,545	81,968	75,774	76,122
	Market categories:													
	Home goods and apparel.....	11,010	10,420	10,683	10,772	+5.7	-2.5	-0.8	9,579	8,872	11,100	11,986	9,579	9,021
	Consumer staples.....	30,317	30,456	30,147	29,967	-0.5	+1.0	+0.6	28,243	30,514	30,787	31,101	28,243	26,997
	Equipment and defense products, except automotive.....	26,587	27,776	22,888	22,325	-4.3	+21.4	+2.5	25,410	30,038	22,030	24,413	25,410	25,625
	Automotive equipment.....	12,257	10,335	9,419	9,346	+18.6	+9.7	+0.8	11,537	9,126	9,818	10,851	11,537	8,351
	Construction materials, supplies and intermediate products.....	12,249	10,995	10,894	11,205	+11.4	+0.9	-2.8	10,435	10,112	10,601	11,865	10,435	9,251
	Other materials, supplies, and intermediate products	67,642	66,281	66,331	66,081	+2.1	-0.1	+0.4	67,242	64,549	64,639	66,974	67,242	68,734
	Supplementary series:[2]													
	Capital goods industries.....	29,495	31,463	25,264	25,004	-6.3	+24.5	+1.0	28,848	33,202	24,777	27,612	28,848	27,816
	Nondefense.....	20,907	20,154	20,173	20,183	+3.7	-0.1	0.0	20,171	21,215	19,474	20,871	20,171	21,216
	Defense.....	8,588	11,309	5,091	4,821	-24.1	+122.1	+5.6	8,677	11,987	5,303	6,741	8,677	6,600
	Household durable goods industries.....	4,990	4,480	4,715	4,743	+11.4	-5.0	-0.6	4,364	3,998	4,722	5,140	4,364	4,053

[p]Preliminary. [r]Revised.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there s a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for engines and turbines in anuary was 387.4 percent.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as f the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen rticles and pottery; cutlery, handtools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal oods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding ousehold appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft nd aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data re comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Jan. 1982
	All manufacturing industries..	298,427	294,572	291,128	293,107	+1.3	+1.2	-0.7	300,473	292,978	288,323	291,312	319,921
	Durable goods industries.....	288,847	285,077	281,861	283,960	+1.3	+1.1	-0.7	290,835	283,757	279,370	282,244	309,646
32	Stone, clay, and glass products...	1,621	1,650	1,699	1,692	-1.8	-2.9	+0.4	1,600	1,555	1,614	1,628	2,021
33	Primary metals.....	20,803	20,408	21,318	21,167	+1.9	-4.3	+0.7	21,187	20,325	20,092	20,068	26,221
331	Blast furnaces, steel mills.....	12,364	12,155	12,818	12,823	+1.7	-5.2	0.0	12,512	12,167	11,997	11,977	15,757
333-9	Nonferrous and other primary metals.....	6,200	6,053	6,273	6,106	+2.4	-3.5	+2.7	6,398	5,962	5,890	5,886	7,256
34	Fabricated metal products.....	22,123	22,238	22,605	23,528	-0.5	-1.6	-3.9	22,092	22,034	22,310	23,386	28,769
35	Machinery, except electrical.....	53,685	54,627	56,491	58,054	-1.7	-3.3	-2.7	53,538	54,074	55,990	57,182	71,663
351	Engines and turbines.....	13,951	13,930	15,238	15,332	+0.2	-8.6	-0.6	14,034	13,999	15,322	15,494	16,272
353	Construction, mining, and material handling equipment....	5,202	5,335	5,806	5,902	-2.5	-8.1	-1.6	5,196	5,282	5,644	5,820	10,520
354	Metalworking machinery.....	2,256	2,410	2,506	2,645	-6.4	-3.8	-5.3	2,256	2,374	2,511	2,645	4,570
356	General industrial machinery....	4,865	5,058	5,142	5,342	-3.8	-1.6	-3.7	4,884	4,927	5,080	5,300	6,716
357	Office and computing machines...	18,194	18,497	18,063	18,980	-1.6	+2.4	-4.8	17,703	18,034	17,774	18,183	20,733
36	Electrical machinery.....	58,024	57,710	56,577	55,548	+0.5	+2.0	+1.9	57,974	56,988	56,070	55,465	52,408
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	7,365	7,609	7,676	7,427	-3.2	-0.9	+3.4	7,287	7,440	7,567	7,416	8,591
363	Household appliances.....	421	373	353	301	+12.9	+5.7	+17.3	404	323	297	285	337
365	Radio and TV.....	316	327	309	240	-3.4	+5.8	+28.8	291	310	288	260	309
366	Communication equipment.....	36,656	36,495	35,494	34,846	+0.4	+2.8	+1.9	36,976	36,348	35,363	34,922	30,460
367	Electronic components.....	12,170	11,835	11,674	11,687	+2.8	+1.4	-0.1	11,951	11,516	11,476	11,523	11,597
37	Transportation equipment.....	121,777	117,765	112,086	112,604	+3.4	+5.1	-0.5	123,802	118,455	112,484	113,302	116,947
372,6	Aircraft, missiles, and parts...	93,473	90,419	89,021	89,355	+3.4	+1.6	-0.4	95,210	90,999	89,312	89,964	89,745
3731	Shipbuilding and military tank vehicles.....	22,656	21,831	17,700	17,716	+3.8	+23.3	-0.1	22,774	21,908	17,788	17,843	20,026
38	Instruments and related products..	7,103	6,976	7,168	7,109	+1.8	-2.7	+0.8	7,087	6,897	7,023	7,071	7,098
24,25, 39	All other durable goods.....	3,711	3,703	3,917	4,258	+0.2	-5.5	-8.0	3,555	3,429	3,787	4,142	4,519
	Nondurable goods industries.....	9,580	9,495	9,267	9,147	+0.9	+2.5	+1.3	9,638	9,221	8,953	9,068	10,275
	Market categories:												
	Home goods and apparel.....	2,960	2,847	2,741	2,696	+4.0	+3.9	+1.7	2,733	2,533	2,576	2,665	2,991
	Consumer staples.....	766	790	721	750	-3.0	+9.6	-3.9	832	730	708	754	807
	Equipment and defense products, except automotive.....	179,081	176,435	173,191	174,093	+1.5	+1.9	-0.5	180,660	176,562	172,487	173,704	185,181
	Automotive equipment.....	5,265	5,098	4,874	5,019	+3.3	+4.6	-2.9	5,428	5,133	4,893	4,984	6,373
	Construction materials, supplies and intermediate products.....	13,048	13,244	13,517	14,178	-1.5	-2.0	-4.7	12,965	12,970	13,267	13,991	16,337
	Other materials, supplies, and intermediate products	97,307	96,158	96,084	96,371	+1.2	+0.1	-0.3	97,855	95,050	94,392	95,214	108,233
	Supplementary series:[2]												
	Capital goods industries.....	216,730	213,724	209,314	210,440	+1.4	+2.1	-0.5	218,614	213,535	208,964	210,411	223,451
	Nondefense.....	122,383	122,924	124,721	125,988	-0.4	-1.4	-1.0	122,642	121,700	123,726	125,535	145,612
	Defense.....	94,347	90,800	84,593	84,452	+3.9	+7.3	+0.2	95,972	91,835	85,238	84,876	77,840
	Household durable goods industries.....	2,632	2,536	2,475	2,438	+3.8	+2.5	+1.5	2,428	2,241	2,308	2,406	2,654

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Jan. 1982
	All manufacturing industries..	262,616	265,212	269,297	271,710	-1.0	-1.5	-0.9	263,241	262,303	266,658	269,002	281,926
	Manufacturing industries with unfilled orders.....	181,107	183,985	186,465	188,887	-1.6	-1.3	-1.3	180,410	180,903	183,869	186,272	192,721
	Durable goods industries.....	174,011	176,975	179,324	181,843	-1.7	-1.3	-1.4	173,887	174,239	177,112	179,415	187,031
32	Stone, clay, and glass products...	6,040	6,287	6,361	6,413	-3.9	-1.2	-0.8	6,053	6,102	6,044	6,091	6,602
322	Glass containers.....	686	695	690	694	-1.3	+0.7	-0.6	667	663	676	683	648
33	Primary metals.....	21,281	21,902	23,107	23,738	-2.8	-5.2	-2.7	21,665	22,059	22,820	23,316	26,456
331	Blast furnaces, steel mills.....	10,112	10,706	11,465	11,847	-5.5	-6.6	-3.2	10,426	10,995	11,419	11,729	13,525
333-9	Nonferrous and other primary metals.....	9,924	9,919	10,285	10,490	+0.1	-3.6	-2.0	10,004	9,830	10,100	10,249	11,370
34	Fabricated metal products.....	17,265	17,562	18,085	18,682	-1.7	-2.9	-3.2	17,178	17,192	17,565	18,275	20,234
341	Metal cans, barrels, and drums..	1,438	1,338	1,469	1,590	+7.5	-8.9	-7.6	1,416	1,194	1,256	1,348	1,431
35	Machinery, except electrical.....	40,470	40,983	41,923	42,556	-1.3	-2.2	-1.5	40,456	40,526	41,554	42,025	44,244
351	Engines and turbines.....	2,229	2,274	2,288	2,380	-2.0	-0.6	-3.9	2,250	2,278	2,302	2,353	2,608
352	Farm machinery and equipment....	2,029	2,130	2,248	2,215	-4.7	-5.2	+1.5	2,047	2,128	2,095	2,056	2,945
353	Construction, mining, and material handling equipment....	9,583	9,853	10,139	10,556	-2.7	-2.8	-4.0	9,641	9,794	10,078	10,345	10,653
354	Metalworking machinery.....	2,101	2,118	2,224	2,266	-0.8	-4.8	-1.9	2,096	2,093	2,215	2,257	2,619
356	General industrial machinery....	3,986	4,037	3,998	4,068	-1.3	+1.0	-1.7	4,038	3,976	3,934	3,994	4,163
357	Office and computing machines...	10,005	9,866	9,958	9,987	+1.4	-0.9	-0.3	9,885	9,738	10,008	10,037	9,414
36	Electrical machinery.....	26,071	26,308	26,745	26,670	-0.9	-1.6	+0.3	25,749	25,638	26,230	26,337	27,421
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,984	4,088	4,188	4,193	-2.5	-2.4	-0.1	3,946	4,029	4,132	4,184	4,454
363	Household appliances.....	1,832	1,761	1,795	1,830	+4.0	-1.9	-1.9	1,805	1,682	1,673	1,726	1,932
365	Radio and TV.....	1,409	1,422	1,551	1,621	-0.9	-8.3	-4.3	1,354	1,361	1,479	1,564	1,806
366	Communication equipment.....	9,321	9,373	9,446	9,289	-0.6	-0.8	+1.7	9,290	9,168	9,443	9,290	9,256
367	Electronic components.....	5,530	5,641	5,649	5,591	-2.0	-0.1	+1.0	5,447	5,556	5,514	5,535	5,642
37	Transportation equipment.....	40,483	41,162	40,052	40,418	-1.6	+2.8	-0.9	40,405	40,504	40,339	40,417	38,079
371	Motor vehicles and parts.....	8,172	8,578	8,096	8,381	-4.7	+6.0	-3.4	8,313	8,329	8,327	8,527	9,113
372,6	Aircraft, missiles, and parts...	28,987	29,242	28,759	28,810	-0.9	+1.7	-0.2	28,746	28,839	28,765	28,665	24,818
3731	Shipbuilding and military tank vehicles.....	1,576	1,501	1,402	1,469	+5.0	+7.1	-4.6	1,523	1,444	1,455	1,498	2,076
38	Instruments and related products..	8,768	9,148	9,289	9,388	-4.2	-1.5	-1.1	8,725	8,856	9,081	9,222	9,366
381-4	Scientific and engineering instruments.....	6,369	6,552	6,629	6,635	-2.8	-1.2	-0.1	6,369	6,428	6,530	6,543	6,418
386	Photographic goods.....	1,909	2,115	2,197	2,263	-9.7	-3.7	-2.9	1,877	1,963	2,098	2,199	2,418
24,25, 39	All other durable goods.....	13,633	13,623	13,762	13,978	+0.1	-1.0	-1.5	13,656	13,362	13,479	13,732	14,628
	Nondurable goods industries.....	88,605	88,237	89,973	89,867	+0.4	-1.9	+0.1	89,354	88,064	89,546	89,587	94,895
20	Food and kindred products.....	19,984	19,631	19,944	19,911	+1.8	-1.6	+0.2	20,595	20,324	21,130	21,027	21,121
201	Meat products.....	1,773	1,703	1,782	1,780	+4.1	-4.4	+0.1	1,789	1,696	1,858	1,807	1,776
208	Beverages.....	3,598	3,425	3,423	3,388	+5.1	+0.1	+1.0	3,656	3,473	3,423	3,439	3,713
207	Fats and oils.....	1,250	1,238	1,221	1,154	+1.0	+1.4	+5.8	1,375	1,415	1,482	1,200	1,684
203-6,9	All other foods.....	11,708	11,615	11,879	11,961	+0.8	-2.2	-0.7	12,153	12,149	12,770	12,942	12,219
21	Tobacco products.....	4,594	4,433	4,456	4,417	+3.6	-0.5	+0.9	4,925	4,708	4,537	4,496	4,820
22	Textile mill products.....	6,292	6,304	6,386	6,350	-0.2	-1.3	+0.6	6,340	6,136	6,128	6,052	6,812
26	Paper and allied products.....	8,665	8,808	8,880	8,890	-1.6	-0.8	-0.1	8,524	8,648	8,718	8,698	8,531
261-3	Pulp, paper etc.	3,632	3,613	3,643	3,648	+0.5	-0.8	-0.1	3,573	3,597	3,610	3,607	3,431
265	Paperboard containers.....	2,273	2,368	2,315	2,355	-4.0	+2.3	-1.7	2,248	2,283	2,253	2,267	2,251
264,6	All other paper products.....	2,760	2,827	2,922	2,887	-2.4	-3.3	+1.2	2,703	2,768	2,855	2,824	2,849
28	Chemicals and allied products.....	19,359	19,610	20,065	20,396	-1.3	-2.3	-1.6	19,633	19,590	19,794	19,893	21,742
281,6	Industrial chemicals, except pigments	5,713	5,808	6,103	6,250	-1.6	-4.8	-2.4	5,844	5,767	6,036	6,106	6,910
283,4	Drugs, soaps, and toiletries ...	6,261	6,201	6,367	6,347	+1.0	-2.6	+0.3	6,180	6,151	6,335	6,264	6,560
29	Petroleum and coal products	9,687	9,217	9,764	9,201	+5.1	-5.6	+6.1	9,727	9,239	9,935	9,404	10,415
30	Rubber and plastics products.....	5,494	5,584	5,688	5,803	-1.6	-1.8	-2.0	5,575	5,529	5,453	5,602	6,212
23,27, 31	All other nondurable goods.....	14,530	14,650	14,790	14,899	-0.8	-0.9	-0.7	14,035	13,890	13,851	14,415	15,241
	Market categories:												
	Home goods and apparel.....	20,660	20,842	21,071	21,327	-0.9	-1.1	-1.2	20,263	19,922	19,873	20,525	22,321
	Consumer staples.....	32,675	32,129	32,638	32,692	+1.7	-1.6	-0.2	33,318	32,757	33,491	33,714	33,939
	Equipment and defense products, except automotive.....	75,363	76,315	76,653	77,083	-1.2	-0.4	-0.6	75,124	75,325	76,296	76,436	76,046
	Automotive equipment.....	10,567	11,038	10,500	10,806	-4.3	+5.1	-2.8	10,791	10,820	10,673	10,852	11,811
	Construction materials, supplies and intermediate products.....	19,016	19,568	19,909	20,125	-2.8	-1.7	-1.1	19,053	19,165	19,215	19,585	21,768
	Other materials, supplies, and intermediate products	104,335	105,320	108,526	109,677	-0.9	-3.0	-1.0	104,692	104,314	107,110	107,890	116,041
	Supplementary series:[2]												
	Capital goods industries.....	85,787	86,565	87,018	87,779	-0.9	-0.5	-0.9	85,331	85,187	86,678	87,152	85,862
	Nondefense.....	69,350	70,735	71,667	72,575	-2.0	-1.3	-1.3	69,133	69,625	71,403	72,134	72,713
	Defense.....	16,437	15,830	15,351	15,204	+3.8	+3.1	+1.0	16,198	15,562	15,275	15,018	13,148
	Household durable goods industries.....	10,240	10,133	10,302	10,548	+1.1	-1.6	-2.3	10,071	9,787	9,902	10,215	11,000

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Jan. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	87,600	88,319	89,307	89,918	-0.8	-1.1	-0.7	88,018	88,541	88,617	89,368	96,605
	Durable goods industries.....	51,743	52,886	53,493	54,282	-2.2	-1.1	-1.5	51,795	52,715	53,192	54,106	58,272
32	Stone, clay, and glass products...	2,041	2,105	2,162	2,194	-3.0	-2.6	-1.5	2,067	2,135	2,116	2,153	2,337
33	Primary metals	7,403	7,689	7,799	7,917	-3.7	-1.4	-1.5	7,595	7,906	7,893	7,977	8,887
34	Fabricated metal products.....	6,743	6,766	6,932	7,169	-0.3	-2.4	-3.3	6,711	6,705	6,728	7,009	7,736
35	Machinery, except electrical.....	10,564	10,605	10,859	11,000	-0.4	-2.3	-1.3	10,505	10,613	10,837	11,040	11,909
36	Electrical Machinery.....	7,288	7,375	7,586	7,524	-1.2	-2.8	+0.8	7,221	7,220	7,323	7,370	8,132
37	Transportation equipment.....	9,942	10,464	10,158	10,283	-5.0	+3.0	-1.2	9,919	10,262	10,269	10,313	10,387
38	Instruments and related products..	2,543	2,679	2,688	2,799	-5.1	-0.3	-4.0	2,535	2,667	2,665	2,757	3,040
24,25, 39	All other durable goods.....	5,219	5,203	5,309	5,396	+0.3	-2.0	-1.6	5,242	5,207	5,361	5,487	5,844
	Nondurable goods industries.....	35,857	35,433	35,814	35,636	+1.2	-1.1	+0.5	36,223	35,826	35,425	35,262	38,333
20	Food and kindred products.....	7,201	7,063	7,200	7,161	+2.0	-1.9	+0.5	7,484	7,416	7,515	7,234	7,678
21	Tobacco products.....	4,160	4,099	4,090	4,043	+1.5	+0.2	+1.2	4,498	4,392	4,093	4,017	4,456
22	Textile mill products.....	1,841	1,860	1,919	1,878	-1.0	-3.1	+2.2	1,884	1,819	1,777	1,714	2,073
26	Paper and allied products.....	4,502	4,489	4,443	4,421	+0.3	+1.0	+0.5	4,420	4,497	4,361	4,378	4,427
28	Chemicals and allied products.....	7,787	7,642	7,753	7,959	+1.9	-1.4	-2.6	7,803	7,674	7,584	7,765	8,429
29	Petroleum and coal products.....	2,574	2,418	2,490	2,201	+6.5	-2.9	+13.1	2,495	2,326	2,523	2,344	2,544
30	Rubber and plastics products.....	1,916	1,996	1,987	2,028	-4.0	+0.5	-2.0	1,925	1,994	1,909	1,994	2,361
23,27, 31	All other nondurable goods.....	5,876	5,866	5,932	5,945	+0.2	-1.1	-0.2	5,714	5,708	5,663	5,816	6,365
	WORK IN PROCESS												
	All manufacturing industries..	92,878	93,370	94,579	95,423	-0.5	-1.3	-0.9	92,693	91,688	94,006	94,959	98,016
	Durable goods industries.....	78,399	79,022	79,785	80,566	-0.8	-1.0	-1.0	78,285	77,601	79,288	80,000	82,129
32	Stone, clay, and glass products...	915	984	984	975	-7.0	0.0	+0.9	907	899	904	899	983
33	Primary metals	8,503	8,613	9,390	9,720	-1.3	-8.3	-3.4	8,571	8,529	9,156	9,473	11,040
34	Fabricated metal products.....	6,065	6,215	6,381	6,607	-2.4	-2.6	-3.4	5,982	5,971	6,181	6,519	7,229
35	Machinery, except electrical.....	16,541	16,701	17,038	17,458	-1.0	-2.0	-2.4	16,714	16,513	17,057	17,346	18,927
36	Electrical Machinery.....	13,307	13,462	13,464	13,309	-1.2	0.0	+1.2	13,157	13,139	13,387	13,302	13,538
37	Transportation equipment.....	26,091	26,075	25,398	25,327	+0.1	+2.7	+0.3	25,980	25,727	25,574	25,377	23,044
38	Instruments and related products..	3,974	3,987	4,085	4,116	-0.3	-2.4	-0.8	3,969	3,851	4,020	4,051	4,081
24,25, 39	All other durable goods.....	3,003	2,985	3,045	3,054	+0.6	-2.0	-0.3	3,005	2,972	3,009	3,033	3,287
	Nondurable goods industries.....	14,479	14,348	14,794	14,857	+0.9	-3.0	-0.4	14,408	14,087	14,718	14,959	15,887
20	Food and kindred products.....	1,833	1,779	1,741	1,707	+3.0	+2.2	+2.0	1,852	1,816	1,791	1,788	2,190
21	Tobacco products.....	173	128	146	193	+35.2	-12.3	-24.4	169	126	211	286	111
22	Textile mill products.....	1,999	1,993	1,971	1,986	+0.3	+1.1	-0.8	2,020	1,955	1,953	1,964	2,135
26	Paper and allied products.....	943	1,005	1,013	1,075	-6.2	-0.8	-5.8	917	957	1,004	1,044	947
28	Chemicals and allied products.....	3,151	3,185	3,420	3,374	-1.1	-6.9	+1.4	3,148	3,176	3,362	3,359	3,458
29	Petroleum and coal products.....	2,275	2,230	2,347	2,340	+2.0	-5.0	+0.3	2,244	2,207	2,392	2,343	2,772
30	Rubber and plastics products.....	1,097	1,103	1,145	1,188	-0.5	-3.7	-3.6	1,137	1,108	1,147	1,195	1,190
23,27, 31	All other nondurable goods.....	3,008	2,925	3,011	2,994	+2.8	-2.9	+0.6	2,921	2,742	2,858	2,980	3,084
	FINISHED GOODS												
	All manufacturing industries..	82,138	83,523	85,411	86,369	-1.7	-2.2	-1.1	82,530	82,074	84,035	84,675	87,304
	Durable goods industries.....	43,869	45,067	46,046	46,995	-2.7	-2.1	-2.0	43,807	43,923	44,632	45,309	46,630
32	Stone, clay, and glass products...	3,084	3,198	3,215	3,244	-3.6	-0.5	-0.9	3,079	3,068	3,024	3,039	3,282
33	Primary metals	5,375	5,600	5,918	6,101	-4.0	-5.4	-3.0	5,499	5,624	5,771	5,866	6,529
34	Fabricated metal products.....	4,457	4,581	4,772	4,906	-2.7	-4.0	-2.7	4,485	4,516	4,656	4,747	5,269
35	Machinery, except electrical.....	13,365	13,677	14,026	14,098	-2.3	-2.5	-0.5	13,237	13,400	13,660	13,639	13,408
36	Electrical Machinery.....	5,476	5,471	5,695	5,837	+0.1	-3.9	-2.4	5,371	5,279	5,520	5,665	5,751
37	Transportation equipment.....	4,450	4,623	4,496	4,808	-3.7	+2.8	-6.5	4,506	4,515	4,496	4,727	4,648
38	Instruments and related products..	2,251	2,482	2,516	2,473	-9.3	-1.4	+1.7	2,221	2,338	2,396	2,414	2,245
24,25, 39	All other durable goods.....	5,411	5,435	5,408	5,528	-0.4	+0.5	-2.2	5,409	5,183	5,109	5,212	5,498
	Nondurable goods industries.....	38,269	38,456	39,365	39,374	-0.5	-2.3	0.0	38,723	38,151	39,403	39,366	40,674
20	Food and kindred products.....	10,950	10,789	11,003	11,043	+1.5	-1.9	-0.4	11,259	11,092	11,824	12,005	11,253
21	Tobacco products.....	261	206	220	181	+26.7	-6.4	+21.5	258	190	233	193	253
22	Textile mill products.....	2,452	2,451	2,496	2,486	0.0	-1.8	+0.4	2,436	2,362	2,398	2,374	2,604
26	Paper and allied products.....	3,220	3,314	3,424	3,394	-2.8	-3.2	+0.9	3,187	3,194	3,353	3,276	3,157
28	Chemicals and allied products.....	8,421	8,783	8,892	9,063	-4.1	-1.2	-1.9	8,682	8,740	8,848	8,769	9,855
29	Petroleum and coal products.....	4,838	4,569	4,927	4,660	+5.9	-7.3	+5.7	4,988	4,706	5,020	4,717	5,099
30	Rubber and plastics products.....	2,481	2,485	2,556	2,587	-0.2	-2.8	-1.2	2,513	2,427	2,397	2,413	2,661
23,27, 31	All other nondurable goods.....	5,646	5,859	5,847	5,960	-3.6	+0.2	-1.9	5,400	5,440	5,330	5,619	5,792

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982	Jan. 1983[p]	Dec. 1982[r]	Nov. 1982	Oct. 1982
	All manufacturing industries	1.68	1.74	1.77	1.78	3.69	3.73	3.72	3.77
	Durable goods industries	2.26	2.41	2.47	2.51	4.58	4.62	4.61	4.66
32	Stone, clay, and glass products	1.49	1.70	1.72	1.72	0.45	0.50	0.52	0.52
33	Primary metals	2.70	2.90	3.16	3.09	2.64	2.70	2.91	2.75
34	Fabricated metal products	1.89	2.00	1.99	2.09	2.69	2.79	2.75	2.93
35	Machinery, except electrical	2.83	2.86	2.88	3.03	4.01	4.08	4.20	4.46
36	Electrical machinery	2.24	2.32	2.40	2.38	4.98	5.09	5.07	4.95
37	Transportation equipment	2.29	2.56	2.65	2.69	11.75	11.50	11.55	11.58
38	Instruments and related products	2.26	2.37	2.47	2.50	1.83	1.81	1.90	1.89
	Nondurable goods industries	1.12	1.11	1.13	1.12	0.54	0.55	0.54	0.54
20	Food and kindred products	0.88	0.88	0.89	0.89	(X)	(X)	(X)	(X)
21	Tobacco products	4.09	3.38	4.12	3.66	(X)	(X)	(X)	(X)
22	Textile mill products	1.54	1.47	1.60	1.55	1.30	1.21	1.32	1.29
26	Paper and allied products	1.25	1.35	1.37	1.36	0.53	0.56	0.54	0.54
28	Chemicals and allied products	1.38	1.38	1.43	1.51	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.65	0.58	0.59	0.53	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.54	1.67	1.66	1.67	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1982	All Jans. 1978-1982	Jan. 1982-Dec. 1982	Year ago Jan. 1982	All Jans. 1978-1982	Jan. 1982-Dec. 1982	Year ago Jan. 1982	All Jans. 1978-1982	Jan. 1982-Dec. 1982	Year ago Jan. 1982	All Jans. 1978-1982	Jan. 1982-Dec. 1982
	All manufacturing industries.	0.4	0.4	0.3	0.7	0.6	0.4	0.2	0.0	0.2	0.1	0.2	0.1
	Durable goods industries	0.5	0.5	0.4	1.4	0.9	0.8	0.3	0.1	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products..	2.0	1.5	1.3	0.1	1.3	1.1	3.5	1.4	1.7	0.6	0.5	0.7
33	Primary metals	0.5	0.9	0.4	1.2	1.3	0.9	0.2	0.5	0.2	0.2	1.9	0.3
34	Fabricated metal products	0.1	0.5	0.7	1.6	1.0	1.6	0.5	0.2	0.5	0.6	0.5	0.3
35	Machinery, except electrical	1.9	1.2	0.9	1.0	1.3	3.2	0.5	0.2	0.6	0.1	0.2	0.2
36	Electrical machinery	0.6	0.3	0.6	0.1	0.3	0.6	0.1	0.1	0.2	0.1	0.1	0.4
37	Transportation equipment	0.8	1.4	0.9	7.0	3.2	1.3	0.9	0.4	1.4	0.1	0.3	0.2
38	Instruments and related products.	0.3	0.9	1.5	0.3	1.6	1.8	0.4	1.8	0.7	0.1	0.5	0.5
	Nondurable goods industries	0.1	0.3	0.4	0.2	0.4	0.4	0.0	0.2	0.7	0.2	0.2	0.3
20	Food and kindred products	2.4	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.6	0.0
21	Tobacco products	0.1	2.7	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.1	1.1	0.0
22	Textile mill products	3.2	1.9	1.5	4.7	2.3	1.7	1.1	0.4	0.9	0.4	0.3	0.6
26	Paper and allied products	1.5	1.1	1.0	1.7	1.6	1.7	0.3	1.0	1.7	0.2	0.5	0.4
28	Chemicals and allied products	1.2	1.0	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.9	0.5
29	Petroleum and coal products	1.9	1.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.9	1.2
30	Rubber and plastics products	3.4	3.5	1.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	1.5	1.0
	Capital Goods Industries:												
	Nondefense	2.0	1.2	1.0	2.1	2.2	1.9	0.1	0.3	0.5	0.3	0.1	0.2
	Defense	1.2	1.7	1.0	9.7	4.0	5.5	0.7	0.4	0.3	0.2	0.3	0.4

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the imple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods odustries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C
3.158:
M3-1
(83)-2
BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
APR 20 1983
DEPOSITORY

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

FEBRUARY 1983
M3-1(83-2
FOR WIRE TRANSMISSION 2:30 P.M. E.S.T. WEDNESDAY MARCH 30, 1983

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in February declined $3.5 billion or 2.2 percent from January to $156.8 billion, the Department of Commerce, Bureau of the Census reported today. This decrease followed three consecutive monthly increases in the series, which had declined to a low of $149.7 billion by last October. The February decline in new orders for durable goods of 3.2 percent resulted mostly from a decrease in orders for defense capital goods. Defense new orders in February were estimated at $6.1 billion, down $2.7 billion or 31 percent from January and $5.2 billion or 46 percent from December; December and January were record high levels for defense orders. Excluding the defense category, new orders for manufactured goods in February declined 0.5 percent.

New orders for nondefense capital goods declined $1.5 billion or 7.2 percent to $19.0 billion in February, after remaining relatively flat since last September when they were valued at $20.3 billion. Declines in the February new orders for most of the transportation equipment and nonelectrical machinery components of the nondefense capital goods category were only partially offset by increases in the electrical machinery components.

In contrast to the capital goods industries, new orders for noncapital durable goods items increased. The primary metals industries recorded a second large increase in new orders in as many months. New orders in February were up $1.5 billion or 18.3 percent to $9.8 billion and in January $1.6 billion or 24 percent, after declining to $6.7 billion in December. Both the steel and nonferrous metals categories have shown substantial gains.

Shipments of manufactured goods in February declined $0.6 billion or 0.4 percent to $156.0 billion as a decline in the nondurable goods sector was only partially offset by an increase in durable goods shipments. The decrease in the nondurable sector of $0.8 billion or 1.0 percent was due primarily to a decline in the petroleum industry of $0.9 billion or 6.4 percent to $13.8 billion. Shipments of petroleum products have declined six of the last seven months after reaching the 1982 high in July of $17.7 billion. Shipments of durable goods in February increased $0.1 billion or 0.2 percent to $77.4 billion. An increase in the transportation equipment industry was offset by declines in most of the other major industry categories. Shipments of transportation equipment were up $1.0 billion or 5.7 percent to $18.5 billion, the highest recorded since the $18.5 billion recorded in June 1981. Within transportation equipment category, the motor vehicle and parts industry was up $1.0 billion or 9.7 percent to $11.3 billion, following a 20.2 percent gain last month.

The backlog of orders held by manufacturers increased $0.8 billion or 0.3 percent in February to $299.0 billion. This is the third consecutive monthly increase in the backlog, with the defense capital goods category accounting for most of the gain. Excluding defense, the value of the orders backlog declined in February $0.2 billion or 0.1 percent to $203.3 billion.

The book value of manufacturers' inventories in February was estimated at $261.6 billion, a 0.2 percent decline from January and the 12th consecutive monthly decrease. Inventories by stage of fabrication showed a slight change in pattern this month. Finished goods inventories increased $0.2 billion or 0.2 percent to $82.2 billion, the first increase since last August. Raw material inventories declined $0.7 billion or 0.8 percent to $86.7 billion. The raw materials category has declined 13 of the last 15 months after peaking in November 1981 at $97.0 billion. Work in process inventories were unchanged from January. The inventory of shipments ratio in February was 1.68, up from 1.67 last month.

The advance report on durable goods for March is scheduled for release on April 21, 1983, and full report is scheduled for release on May 2, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1983p	Jan. 1983r	Dec. 1982	Nov. 1982	Jan.-Feb.	Dec.-Jan.r	Nov.-Dec.	Feb. 1983p	Jan. 1983r	Dec. 1982	Nov. 1982	1983p	1982
	All manufacturing industries	155,950	156,592	152,815	152,343	-0.4	+2.5	+0.3	157,617	145,179	148,554	151,967	302,796	304,651
	Manufacturing industries with unfilled orders	80,085	80,919	79,056	78,244	-1.0	+2.4	+1.0	80,978	73,959	77,687	78,235	154,937	159,516
	Durable goods industries	77,393	77,251	73,373	72,708	+0.2	+5.3	+0.9	78,000	69,843	71,331	72,301	147,843	147,434
	With unfilled orders	62,979	63,341	61,665	61,077	-0.6	+2.7	+1.0	63,711	57,474	61,005	60,886	121,185	126,055
32	Stone, clay, and glass products	3,868	4,136	3,697	3,709	-6.5	+11.9	-0.3	3,613	3,443	3,307	3,685	7,056	6,781
322	Glass containers	400	432	398	429	-7.4	+8.5	-7.2	382	391	357	413	773	839
33	Primary metals	7,996	7,961	7,565	7,315	+0.4	+5.2	+3.4	8,399	7,643	7,052	7,041	16,042	19,680
331	Blast furnaces, steel mills	3,180	3,276	3,148	3,061	-2.9	+4.1	+2.8	3,339	3,164	3,007	2,942	6,503	9,888
333-9	Nonferrous and other primary metals	4,061	3,909	3,766	3,562	+3.9	+3.8	+5.7	4,285	3,749	3,465	3,412	8,034	8,057
34	Fabricated metal products	9,559	9,414	8,794	9,108	+1.5	+7.1	-3.4	9,501	8,516	8,306	8,928	18,017	17,888
341	Metal cans, barrels, and drums	921	924	827	899	-0.3	+11.7	-8.0	887	768	705	747	1,655	1,732
35	Machinery, except electrical	13,635	14,033	14,352	14,535	-2.8	-2.2	-1.3	13,862	12,589	15,095	14,015	26,451	31,419
351	Engines and turbines	1,013	973	966	1,004	+4.1	+0.7	-3.8	1,076	949	972	933	2,025	2,580
352	Farm machinery and equipment	789	907	955	1,093	-13.0	-5.0	-12.6	830	857	798	883	1,687	2,165
353	Construction, mining, and material handling equipment	1,910	1,944	2,355	2,487	-1.7	-17.5	-5.3	1,977	1,886	2,235	2,335	3,863	6,232
354	Metalworking machinery	650	776	695	726	-16.2	+11.7	-4.3	686	683	724	706	1,369	1,932
356	General industrial machinery	1,158	1,248	1,237	1,249	-7.2	+0.9	-1.0	1,186	1,115	1,239	1,192	2,301	2,703
357	Office and computing machines	3,638	3,515	3,740	3,383	+3.5	-6.0	+10.6	3,383	2,746	4,933	3,545	6,129	5,863
36	Electrical machinery	11,711	11,689	11,340	11,163	+0.2	+3.1	+1.6	11,943	10,839	11,226	11,281	22,782	22,099
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,602	1,610	1,758	1,578	-0.5	-8.4	+11.4	1,687	1,535	1,684	1,567	3,222	3,533
363	Household appliances	1,189	1,297	1,004	1,063	-8.3	+29.2	-5.6	1,213	1,122	920	1,010	2,335	1,879
365	Radio and TV	640	679	552	528	-5.7	+23.0	+4.5	645	562	567	634	1,207	1,180
366	Communication equipment	3,859	3,810	3,826	3,660	+1.3	-0.4	+4.5	3,841	3,507	3,956	3,620	7,348	7,045
367	Electronic components	2,411	2,408	2,381	2,425	+0.1	+1.1	-1.8	2,517	2,307	2,262	2,429	4,824	4,704
37	Transportation equipment	18,545	17,552	16,051	15,088	+5.7	+9.4	+6.4	18,956	16,044	15,445	15,548	35,000	28,164
371	Motor vehicles and parts	11,343	10,338	8,601	8,082	+9.7	+20.2	+6.4	11,652	9,735	7,616	8,535	21,387	15,500
372,6	Aircraft, missiles, and parts	5,568	5,807	5,997	5,527	-4.1	-3.2	+8.5	5,686	5,036	6,364	5,589	10,722	9,472
3731,95	Shipbuilding and military tank vehicles	977	788	915	960	+24.0	-13.9	-4.7	928	728	971	947	1,656	1,686
38	Instruments and related products	3,849	3,902	3,858	3,765	-1.4	+1.1	+2.5	3,752	3,513	3,878	3,853	7,265	7,211
381-4	Scientific and engineering instruments	2,309	2,305	2,368	2,170	+0.2	-2.7	+9.1	2,295	2,173	2,390	2,160	4,468	4,417
386	Photographic goods	1,285	1,369	1,278	1,372	-6.1	+7.1	-6.9	1,204	1,143	1,301	1,465	2,347	2,387
24,25, 39	All other durable goods	8,230	8,564	7,716	8,025	-3.9	+11.0	-3.9	7,974	7,256	7,022	7,950	15,230	14,192
	Nondurable goods industries	78,557	79,341	79,442	79,635	-1.0	-0.1	-0.2	79,617	75,336	77,223	79,666	154,953	157,217
	With unfilled orders	17,106	17,578	17,391	17,167	-2.7	+1.1	+1.3	17,267	16,485	16,682	17,349	33,752	33,461
20	Food and kindred products	22,919	22,766	22,277	22,339	+0.7	+2.2	-0.3	22,988	21,212	22,430	22,830	44,200	43,394
201	Meat products	5,840	6,001	6,000	5,904	-2.7	0.0	+1.6	5,875	5,863	6,132	6,045	11,738	11,438
208	Beverages	3,403	3,257	2,928	2,808	+4.5	+11.2	+4.3	3,019	2,717	2,656	2,850	5,736	5,284
207	Fats and oils	1,291	1,475	1,359	1,316	-12.5	+8.5	+3.3	1,368	1,464	1,369	1,359	2,832	2,950
203-6,9	All other foods	9,211	8,997	8,852	9,090	+2.4	+1.6	-2.6	9,552	8,269	9,188	9,336	17,821	17,631
21	Tobacco products	1,186	1,094	1,310	1,081	+8.4	-16.5	+21.2	1,116	1,041	1,341	1,103	2,157	2,152
22	Textile mill products	4,117	3,982	4,295	3,988	+3.4	-7.3	+7.7	4,100	3,621	4,012	4,035	7,721	7,688
26	Paper and allied products	6,478	6,743	6,502	6,486	-3.9	+3.7	+0.2	6,655	6,445	5,976	6,278	13,100	13,198
261-3	Pulp, paper etc.	2,789	2,779	2,603	2,698	+0.4	+6.8	-3.5	2,854	2,618	2,432	2,651	5,472	5,545
265	Paperboard containers	1,446	1,537	1,511	1,481	-5.9	+1.7	+2.0	1,491	1,447	1,356	1,446	2,938	2,971
264,6	All other paper products	2,243	2,427	2,388	2,307	-7.6	+1.6	+3.5	2,310	2,380	2,188	2,181	4,690	4,682
28	Chemicals and allied products	14,602	14,133	14,189	14,003	+3.3	-0.4	+1.3	14,903	13,675	13,556	13,163	28,578	27,729
281,6	Industrial chemicals, except pigments	4,290	4,188	4,443	4,388	+2.4	-5.7	+1.3	4,462	4,066	4,288	4,124	8,528	9,399
283,4	Drugs, soaps, and toiletries	4,247	4,184	4,132	4,159	+1.5	+1.3	-0.6	4,285	3,987	4,108	4,001	8,272	7,179
29	Petroleum and coal products	13,763	14,700	15,818	16,467	-6.4	-7.1	-3.9	14,176	14,909	16,022	16,429	29,085	33,845
30	Rubber and plastics products	3,392	3,581	3,337	3,423	-5.3	+7.3	-2.5	3,534	3,317	3,007	3,264	6,851	7,044
23,27, 31	All other nondurable goods	12,100	12,342	11,714	11,848	-2.0	+5.4	-1.1	12,145	11,116	10,879	12,564	23,261	22,167
	Market categories:													
	Home goods and apparel	11,286	11,217	10,313	10,636	+0.6	+8.8	-3.0	11,356	9,653	8,914	11,190	21,009	20,247
	Consumer staples	30,966	30,701	30,388	30,176	+0.9	+1.0	+0.7	30,842	28,461	30,492	30,834	59,303	56,791
	Equipment and defense products, except automotive	23,283	23,576	24,531	23,794	-1.2	-3.9	+3.1	23,268	20,982	25,963	23,248	44,250	47,291
	Automotive equipment	13,134	12,048	10,110	9,564	+9.0	+19.2	+5.7	13,351	11,202	8,885	9,908	24,553	18,241
	Construction materials, supplies and intermediate products	12,385	12,817	11,267	11,555	-3.4	+13.8	-2.5	11,688	10,743	10,410	11,323	22,431	20,322
	Other materials, supplies, and intermediate products	64,896	66,233	66,206	66,618	-2.0	0.0	-0.6	67,112	64,138	63,890	65,464	131,250	141,759
	Supplementary series:[2]													
	Capital goods industries	26,102	26,256	27,053	26,392	-0.6	-2.9	+2.5	26,363	23,572	28,630	26,223	49,935	53,258
	Nondefense	20,979	21,214	21,953	21,441	-1.1	-3.4	+2.4	21,296	19,032	23,241	21,283	40,328	45,327
	Defense	5,123	5,042	5,100	4,951	+1.6	-1.1	+3.0	5,067	4,540	5,389	4,940	9,607	7,931
	Household durable goods industries	4,863	4,988	4,419	4,676	-2.5	+12.9	-5.5	4,883	4,260	4,065	4,819	9,143	8,897

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	1983[p]	1982
	All manufacturing industries	156,761	160,214	156,263	150,362	-2.2	+2.5	+3.9	159,530	152,422	153,211	148,975	311,952	307,475
	Manufacturing industries with unfilled orders	80,896	84,541	82,504	76,263	-4.3	+2.5	+8.2	82,891	81,202	82,344	75,243	164,093	162,339
	Durable goods industries	78,357	80,921	76,593	70,607	-3.2	+5.7	+8.5	80,043	76,814	75,718	69,430	156,857	150,404
	With unfilled orders	63,943	67,011	64,885	58,976	-4.6	+3.3	+10.0	65,754	64,445	65,392	58,015	130,199	129,024
32	Stone, clay, and glass products	3,861	4,108	3,650	3,715	-6.0	+12.5	-1.7	3,638	3,489	3,247	3,672	7,127	6,635
33	Primary metals	9,757	8,246	6,655	7,466	+18.3	+23.9	-10.9	10,860	8,394	7,284	7,065	19,254	18,779
331	Blast furnaces, steel mills	4,108	3,449	2,485	3,056	+19.1	+38.8	-18.7	4,861	3,473	3,176	2,962	8,334	9,094
333-9	Nonferrous and other primary metals	4,882	4,018	3,546	3,729	+21.5	+13.3	-4.9	5,181	4,146	3,537	3,416	9,327	8,054
34	Fabricated metal products	9,640	9,215	8,426	8,186	+4.6	+9.4	+2.9	9,563	8,490	8,031	7,853	18,053	17,182
35	Machinery, except electrical	12,517	13,321	12,488	12,970	-6.0	+6.7	-3.7	13,662	12,272	13,180	12,825	25,934	30,244
351	Engines and turbines	990	1,037	-342	910	-4.5	(n)	-137.5	1,022	1,025	-349	762	2,047	2,429
353	Construction, mining, and material handling equipment	1,788	1,804	1,884	2,391	-0.9	-4.2	-21.2	1,962	1,794	1,873	2,160	3,756	5,584
354	Metalworking machinery	623	601	598	587	+3.7	+0.5	+1.9	662	545	587	572	1,207	1,467
356	General industrial machinery	1,184	1,050	1,153	1,049	+12.8	-8.9	+9.9	1,222	1,067	1,086	972	2,289	2,757
357	Office and computing machines	2,629	3,427	4,174	2,465	-23.3	-17.9	+69.3	3,167	2,622	5,193	3,136	5,789	5,933
36	Electrical machinery	12,195	11,986	12,473	12,193	+1.7	-3.9	+2.3	13,030	11,809	12,144	11,887	24,839	23,790
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,694	1,383	1,691	1,828	+22.5	-18.2	-7.5	1,857	1,400	1,557	1,718	3,257	3,548
363	Household appliances	1,148	1,335	1,024	1,115	-14.0	+30.4	-8.2	1,203	1,193	947	1,022	2,396	1,909
365	Radio and TV	713	668	570	597	+6.7	+17.2	-4.5	723	544	588	663	1,267	1,168
366	Communication equipment	4,185	3,922	4,826	4,308	+6.7	-18.7	+12.0	4,453	4,085	4,941	4,061	8,538	8,256
367	Electronic components	2,415	2,764	2,542	2,412	-12.6	+8.7	+5.4	2,728	2,763	2,302	2,382	5,491	5,128
37	Transportation equipment	18,082	21,510	21,732	14,567	-15.9	-1.0	+49.2	17,279	21,337	21,416	14,731	38,616	31,896
372,6	Aircraft, missiles, and parts	5,644	8,472	7,395	5,193	-33.4	+14.6	+42.4	4,663	8,856	8,050	4,938	13,519	12,914
3731,95	Shipbuilding and military tank vehicles	366	1,947	5,047	942	-81.2	-61.4	+435.8	185	1,930	5,091	892	2,115	2,218
38	Instruments and related products	3,972	3,967	3,667	3,826	+0.1	+8.2	-4.2	3,880	3,646	3,753	3,804	7,526	7,382
24,25, 39	All other durable goods	8,333	8,568	7,502	7,684	-2.7	+14.2	-2.4	8,131	7,377	6,663	7,593	15,508	14,494
	Nondurable goods industries	78,404	79,293	79,670	79,755	-1.1	-0.5	-0.1	79,487	75,608	77,493	79,545	155,095	157,071
	With unfilled orders	16,953	17,530	17,619	17,287	-3.3	-0.5	+1.9	17,137	16,757	16,952	17,228	33,894	33,314
	Market categories:													
	Home goods and apparel	11,451	11,330	10,420	10,683	+1.1	+8.7	-2.5	11,600	9,855	8,872	11,100	21,455	20,289
	Consumer staples	30,951	30,666	30,456	30,147	+0.9	+0.7	+1.0	30,808	28,551	30,514	30,787	59,359	56,877
	Equipment and defense products, except automotive	22,010	26,460	27,776	22,888	-16.8	-4.7	+21.4	22,111	25,313	30,038	22,030	47,424	52,296
	Automotive equipment	13,229	12,216	10,335	9,419	+8.3	+18.2	+9.7	13,466	11,498	9,126	9,818	24,964	18,000
	Construction materials, supplies and intermediate products	12,289	12,652	10,995	10,894	-2.9	+15.1	+0.9	11,638	10,770	10,112	10,601	22,408	19,783
	Other materials, supplies, and intermediate products	66,831	66,890	66,281	66,331	-0.1	+0.9	-0.1	69,907	66,435	64,549	64,639	136,342	140,230
	Supplementary series:[2]													
	Capital goods industries	25,147	29,348	31,463	25,264	-14.3	-6.7	+24.5	25,391	28,726	33,202	24,777	54,117	57,263
	Nondefense	19,001	20,466	20,154	20,173	-7.2	+1.5	-0.1	19,874	19,752	21,215	19,474	39,626	43,954
	Defense	6,146	8,882	11,309	5,091	-30.8	-21.5	+122.1	5,517	8,974	11,987	5,303	14,491	13,309
	Household durable goods industries	4,991	5,078	4,480	4,715	-1.7	+13.3	-5.0	5,107	4,444	3,998	4,722	9,551	9,021

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for engines and turbines in January was 387.4 percent.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Feb. 1982
	All manufacturing industries..	299,011	298,197	294,572	291,128	+0.3	+1.2	+1.2	302,133	300,221	292,978	288,323	319,197
	Durable goods industries.....	289,715	288,750	285,077	281,861	+0.3	+1.3	+1.1	292,769	290,726	283,757	279,370	309,365
32	Stone, clay, and glass products...	1,616	1,622	1,650	1,699	-0.4	-1.7	-2.9	1,627	1,601	1,555	1,614	1,967
33	Primary metals.....	22,453	20,692	20,408	21,318	+8.5	+1.4	-4.3	23,537	21,075	20,325	20,092	25,608
331	Blast furnaces, steel mills.....	13,256	12,328	12,155	12,818	+7.5	+1.4	-5.2	13,998	12,476	12,167	11,997	15,320
333-9	Nonferrous and other primary metals.....	6,982	6,161	6,053	6,273	+13.3	+1.8	-3.5	7,255	6,359	5,962	5,890	7,189
34	Fabricated metal products.....	22,118	22,038	22,238	22,605	+0.4	-0.9	-1.6	22,070	22,008	22,034	22,310	28,270
35	Machinery, except electrical.....	52,795	53,913	54,627	56,491	-2.1	-1.3	-3.3	53,555	53,760	54,074	55,990	70,711
351	Engines and turbines.....	13,970	13,993	13,930	15,238	-0.2	+0.5	-8.6	14,021	14,076	13,999	15,322	16,351
353	Construction, mining, and material handling equipment....	5,073	5,195	5,335	5,806	-2.3	-2.6	-8.1	5,175	5,190	5,282	5,644	10,063
354	Metalworking machinery.....	2,209	2,235	2,410	2,506	-1.2	-7.3	-3.8	2,211	2,235	2,374	2,511	4,332
356	General industrial machinery....	4,886	4,860	5,058	5,142	+0.5	-3.9	-1.6	4,915	4,880	4,927	5,080	6,675
357	Office and computing machines...	17,398	18,408	18,497	18,063	-5.5	-0.5	+2.4	17,694	17,911	18,034	17,774	20,627
36	Electrical machinery.....	58,490	58,007	57,710	56,577	+0.8	+0.5	+2.0	59,045	57,957	56,988	56,070	52,922
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	7,474	7,383	7,609	7,676	+1.2	-3.0	-0.9	7,475	7,305	7,440	7,567	8,526
363	Household appliances.....	370	411	373	353	-10.0	+10.2	+5.7	385	395	323	297	318
365	Radio and TV.....	390	316	327	309	+23.4	-3.4	+5.8	370	291	310	288	320
366	Communication equipment.....	36,932	36,606	36,495	35,494	+0.9	+0.3	+2.8	37,538	36,9[illegible]	36,348	35,363	30,796
367	Electronic components.....	12,194	12,191	11,835	11,674	0.0	+3.0	+1.4	12,182	11,9[illegible]	11,516	11,476	11,846
37	Transportation equipment.....	121,266	121,727	117,765	112,086	-0.4	+3.4	+5.1	122,071	123,7[illegible]	118,455	112,484	117,959
372,6	Aircraft, missiles, and parts...	93,163	93,087	90,419	89,021	+0.1	+3.0	+1.6	93,797	94,8[illegible]	90,999	89,312	91,131
3731,95	Shipbuilding and military tank vehicles.....	22,380	22,991	21,831	17,700	-2.7	+5.3	+23.3	22,366	23,1[illegible]	21,908	17,788	19,976
38	Instruments and related products..	7,165	7,042	6,976	7,168	+1.7	+0.9	-2.7	7,157	7,029	6,897	7,023	7,283
24,25, 39	All other durable goods.....	3,812	3,709	3,703	3,917	+2.8	+0.2	-5.5	3,707	3,549	3,429	3,787	4,643
	Nondurable goods industries.....	9,296	9,447	9,495	9,267	-1.6	-0.5	+2.5	9,364	9,495	9,221	8,953	9,832
	Market categories:												
	Home goods and apparel.....	3,126	2,960	2,847	2,741	+5.6	+4.0	+3.9	2,979	2,7[illegible]	2,533	2,576	3,023
	Consumer staples.....	740	756	790	721	-2.1	-4.3	+9.6	785	820	730	708	816
	Equipment and defense products, except automotive.....	178,049	179,321	176,435	173,191	-0.7	+1.6	+1.9	179,733	180,893	176,562	172,487	186,182
	Automotive equipment.....	5,362	5,266	5,098	4,874	+1.8	+3.3	+4.6	5,544	5,429	5,133	4,893	6,052
	Construction materials, supplies and intermediate products.....	12,984	13,079	13,244	13,517	-0.7	-1.2	-2.0	12,947	12,998	12,970	13,267	16,102
	Other materials, supplies, and intermediate products	98,750	96,815	96,158	96,084	+2.0	+0.7	+0.1	100,145	97,348	95,050	94,392	107,022
	Supplementary series:[2]												
	Capital goods industries.....	215,863	216,818	213,724	209,314	-0.4	+1.4	+2.1	217,716	218,691	213,535	208,964	224,074
	Nondefense.....	120,197	122,175	122,924	124,721	-1.6	-0.6	-1.4	120,997	122,424	121,700	123,726	143,859
	Defense.....	95,666	94,643	90,800	84,593	+1.1	+4.2	+7.3	96,719	96,267	91,835	85,238	80,215
	Household durable goods industries.....	2,755	2,627	2,536	2,475	+4.9	+3.6	+2.5	2,649	2,425	2,241	2,308	2,742

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov 1982	Feb. 1982
	All manufacturing industries..	261,643	262,124	265,212	269,297	-0.2	-1.2	-1.5	263,340	262,741	262,303	266,658	283,594
	Manufacturing industries with unfilled orders.....	180,307	181,068	183,985	186,465	-0.4	-1.6	-1.3	181,140	180,375	180,903	183,869	194,620
	Durable goods industries.....	173,537	174,005	176,975	179,324	-0.3	-1.7	-1.3	174,996	173,886	174,239	177,112	188,756
	With unfilled orders.....	159,753	160,309	163,217	165,436	-0.3	-1.8	-1.3	160,731	160,017	160,721	163,512	173,046
32	Stone, clay, and glass products...	6,051	5,983	6,287	6,361	+1.1	-4.8	-1.2	6,232	5,994	6,102	6,044	6,832
322	Glass containers.....	684	685	695	690	-0.1	-1.4	+0.7	693	665	663	676	681
33	Primary metals.....	21,172	21,289	21,902	23,107	-0.5	-2.8	-5.2	21,432	21,672	22,059	22,820	26,398
331	Blast furnaces, steel mills.....	10,065	10,139	10,706	11,465	-0.7	-5.3	-6.6	10,206	10,453	10,995	11,419	13,314
333-9	Nonferrous and other primary metals.....	9,854	9,897	9,919	10,285	-0.4	-0.2	-3.6	9,953	9,976	9,830	10,100	11,470
34	Fabricated metal products.....	17,199	17,292	17,562	18,085	-0.5	-1.5	-2.9	17,359	17,204	17,192	17,565	20,327
341	Metal cans, barrels, and drums..	1,515	1,483	1,338	1,469	+2.2	+10.8	-8.9	1,561	1,461	1,194	1,256	1,544
35	Machinery, except electrical.....	40,311	40,418	40,983	41,923	-0.3	-1.4	-2.2	40,521	40,406	40,526	41,554	44,709
351	Engines and turbines.....	2,202	2,233	2,274	2,288	-1.4	-1.8	-0.6	2,230	2,254	2,278	2,302	2,636
352	Farm machinery and equipment....	2,001	2,029	2,130	2,248	-1.4	-4.7	-5.2	2,109	2,047	2,128	2,095	3,003
353	Construction, mining, and material handling equipment....	9,508	9,585	9,853	10,139	-0.8	-2.7	-2.8	9,593	9,643	9,794	10,078	10,892
354	Metalworking machinery.....	2,030	2,088	2,118	2,224	-2.8	-1.4	-4.8	2,038	2,084	2,093	2,215	2,652
356	General industrial machinery....	3,933	3,962	4,037	3,998	-0.7	-1.9	+1.0	3,980	4,014	3,976	3,934	4,164
357	Office and computing machines...	10,209	10,000	9,866	9,958	+2.1	+1.4	-0.9	10,107	9,880	9,738	10,008	9,535
36	Electrical machinery.....	25,876	26,024	26,308	26,745	-0.6	-1.1	-1.6	25,810	25,705	25,638	26,230	27,622
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,971	3,999	4,088	4,188	-0.7	-2.2	-2.4	3,969	3,962	4,029	4,132	4,470
363	Household appliances.....	1,848	1,803	1,761	1,795	+2.5	+2.4	-1.9	1,865	1,776	1,682	1,673	1,941
365	Radio and TV.....	1,344	1,356	1,422	1,551	-0.9	-4.6	-8.3	1,313	1,303	1,361	1,479	1,786
366	Communication equipment.....	9,346	9,309	9,373	9,446	+0.4	-0.7	-0.8	9,334	9,279	9,168	9,443	9,415
367	Electronic components.....	5,402	5,571	5,641	5,649	-3.0	-1.2	-0.1	5,396	5,487	5,556	5,514	5,665
37	Transportation equipment.....	40,402	40,514	41,162	40,052	-0.3	-1.6	+2.8	40,885	40,439	40,504	40,339	38,653
371	Motor vehicles and parts.....	8,306	8,175	8,578	8,096	+1.6	-4.7	+6.0	8,500	8,316	8,329	8,327	9,000
372,6	Aircraft, missiles, and parts...	28,866	29,025	29,242	28,759	-0.5	-0.7	+1.7	29,102	28,786	28,839	28,765	25,574
3731,95	Shipbuilding and military tank vehicles.....	1,582	1,569	1,501	1,402	+0.8	+4.5	+7.1	1,536	1,517	1,444	1,455	2,032
38	Instruments and related products..	8,726	8,882	9,148	9,289	-1.8	-2.9	-1.5	8,725	8,838	8,856	9,081	9,510
381-4	Scientific and engineering instruments.....	6,391	6,439	6,552	6,629	-0.7	-1.7	-1.2	6,404	6,439	6,428	6,530	6,492
386	Photographic goods.....	1,912	1,978	2,115	2,197	-3.3	-6.5	-3.7	1,899	1,944	1,963	2,098	2,497
24,25, 39	All other durable goods.....	13,800	13,603	13,623	13,762	+1.4	-0.1	-1.0	14,032	13,628	13,362	13,479	14,706
	Nondurable goods industries.....	88,106	88,119	88,237	89,973	0.0	-0.1	-1.9	88,344	88,855	88,064	89,546	94,838
	With unfilled orders.....	20,554	20,759	20,768	21,029	-1.0	0.0	-1.2	20,409	20,358	20,182	20,357	21,574
20	Food and kindred products.....	19,739	19,849	19,631	19,944	-0.6	+1.1	-1.6	19,916	20,456	20,324	21,130	20,674
201	Meat products.....	1,807	1,804	1,703	1,782	+0.2	+5.9	-4.4	1,838	1,820	1,696	1,858	1,865
208	Beverages.....	3,533	3,484	3,425	3,423	+1.4	+1.7	+0.1	3,621	3,540	3,473	3,423	3,740
207	Fats and oils.....	1,279	1,254	1,238	1,221	+2.0	+1.3	+1.4	1,427	1,380	1,415	1,482	1,493
203-6,9	All other foods.....	11,411	11,620	11,615	11,879	-1.8	0.0	-2.2	11,377	12,062	12,149	12,770	11,862
21	Tobacco products.....	4,589	4,581	4,433	4,456	+0.2	+3.3	-0.5	4,874	4,910	4,708	4,537	4,796
22	Textile mill products.....	6,270	6,246	6,304	6,386	+0.4	-0.9	-1.3	6,432	6,295	6,136	6,128	6,883
26	Paper and allied products.....	8,683	8,731	8,808	8,880	-0.5	-0.9	-0.8	8,619	8,587	8,648	8,718	8,785
261-3	Pulp, paper etc.	3,604	3,644	3,613	3,643	-1.1	+0.9	-0.8	3,574	3,583	3,597	3,610	3,504
265	Paperboard containers.....	2,210	2,248	2,368	2,315	-1.7	-5.1	+2.3	2,195	2,223	2,283	2,253	2,276
264,6	All other paper products.....	2,869	2,839	2,827	2,922	+1.1	+0.4	-3.3	2,850	2,781	2,768	2,855	3,005
28	Chemicals and allied products.....	19,211	19,261	19,610	20,065	-0.3	-1.8	-2.3	19,570	19,531	19,590	19,794	21,846
281,6	Industrial chemicals, except pigments	5,674	5,715	5,808	6,103	-0.7	-1.6	-4.8	5,764	5,846	5,767	6,036	6,862
283,4	Drugs, soaps, and toiletries ...	6,233	6,195	6,201	6,367	+0.6	-0.1	-2.6	6,158	6,114	6,151	6,335	6,634
29	Petroleum and coal products	9,788	9,470	9,217	9,764	+3.4	+2.7	-5.6	9,399	9,510	9,239	9,935	10,196
30	Rubber and plastics products.....	5,402	5,456	5,584	5,688	-1.0	-2.3	-1.8	5,486	5,536	5,529	5,453	6,268
23,27, 31	All other nondurable goods.....	14,424	14,525	14,650	14,790	-0.7	-0.9	-0.9	14,048	14,030	13,890	13,851	15,391
	Market categories:												
	Home goods and apparel.....	20,677	20,556	20,842	21,071	+0.6	-1.4	-1.1	20,521	20,162	19,922	19,873	22,447
	Consumer staples.....	32,330	32,442	32,129	32,638	-0.3	+1.0	-1.6	32,504	33,079	32,757	33,491	33,808
	Equipment and defense products, except automotive.....	75,005	75,460	76,315	76,653	-0.6	-1.1	-0.4	75,431	75,226	75,325	76,296	77,207
	Automotive equipment.....	10,616	10,582	11,038	10,500	+0.3	-4.1	+5.1	10,947	10,806	10,820	10,673	11,724
	Construction materials, supplies and intermediate products.....	19,029	18,973	19,568	19,909	+0.3	-3.0	-1.7	19,496	19,008	19,165	19,215	21,864
	Other materials, supplies, and intermediate products	103,986	104,111	105,320	108,526	-0.1	-1.1	-3.0	104,441	104,460	104,314	107,110	116,544
	Supplementary series:[2]												
	Capital goods industries.....	85,577	85,775	86,565	87,018	-0.2	-0.9	-0.5	85,834	85,326	85,187	86,678	87,226
	Nondefense.....	69,154	69,355	70,735	71,667	-0.3	-2.0	-1.3	69,480	69,143	69,625	71,403	73,692
	Defense.....	16,423	16,420	15,830	15,351	0.0	+3.7	+3.1	16,354	16,183	15,562	15,275	13,533
	Household durable goods industries.....	10,168	10,100	10,133	10,302	+0.7	-0.3	-1.6	10,179	9,935	9,787	9,902	11,121

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Feb. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,741	87,398	88,319	89,307	-0.8	-1.0	-1.1	86,994	87,820	88,541	88,617	96,144
	Durable goods industries.....	51,411	51,746	52,886	53,493	-0.6	-2.2	-1.1	51,423	51,799	52,715	53,192	58,034
32	Stone, clay, and glass products...	2,065	2,032	2,105	2,162	+1.6	-3.5	-2.6	2,061	2,057	2,135	2,116	2,365
33	Primary metals	7,204	7,380	7,689	7,799	-2.4	-4.0	-1.4	7,243	7,571	7,906	7,893	8,762
34	Fabricated metal products.....	6,698	6,739	6,766	6,932	-0.6	-0.4	-2.4	6,662	6,708	6,705	6,728	7,517
35	Machinery, except electrical.....	10,423	10,553	10,605	10,859	-1.2	-0.5	-2.3	10,358	10,495	10,613	10,837	11,989
36	Electrical Machinery.....	7,231	7,288	7,375	7,586	-0.8	-1.2	-2.8	7,167	7,221	7,220	7,323	7,990
37	Transportation equipment.....	10,097	9,955	10,464	10,158	+1.4	-4.9	+3.0	10,214	9,933	10,262	10,269	10,533
38	Instruments and related products..	2,474	2,578	2,679	2,688	-4.0	-3.8	-0.3	2,472	2,570	2,667	2,665	3,023
24,25, 39	All other durable goods.....	5,219	5,221	5,203	5,309	0.0	+0.3	-2.0	5,246	5,244	5,207	5,361	5,855
	Nondurable goods industries.....	35,330	35,652	35,433	35,814	-0.9	+0.6	-1.1	35,571	36,021	35,826	35,425	38,110
20	Food and kindred products.....	7,194	7,300	7,063	7,200	-1.5	+3.4	-1.9	7,407	7,586	7,416	7,515	7,552
21	Tobacco products.....	4,114	4,160	4,099	4,090	-1.1	+1.5	+0.2	4,420	4,496	4,392	4,093	4,388
22	Textile mill products.....	1,770	1,816	1,860	1,919	-2.5	-2.4	-3.1	1,826	1,859	1,819	1,777	2,048
26	Paper and allied products.....	4,414	4,484	4,489	4,443	-1.6	-0.1	+1.0	4,351	4,401	4,497	4,361	4,533
28	Chemicals and allied products.....	7,565	7,671	7,642	7,753	-1.4	+0.4	-1.4	7,572	7,685	7,674	7,584	8,308
29	Petroleum and coal products.....	2,642	2,549	2,418	2,490	+3.6	+5.4	-2.9	2,510	2,472	2,326	2,523	2,510
30	Rubber and plastics products.....	1,909	1,889	1,996	1,987	+1.1	-5.4	+0.5	1,861	1,898	1,994	1,909	2,240
23,27, 31	All other nondurable goods.....	5,722	5,783	5,866	5,932	-1.1	-1.4	-1.1	5,624	5,624	5,708	5,663	6,531
	WORK IN PROCESS												
	All manufacturing industries..	92,725	92,734	93,370	94,579	0.0	-0.7	-1.3	93,271	92,550	91,688	94,006	98,484
	Durable goods industries.....	78,051	78,320	79,022	79,785	-0.3	-0.9	-1.0	78,697	78,208	77,601	79,288	82,791
32	Stone, clay, and glass products...	868	871	984	984	-0.3	-11.5	0.0	907	863	899	904	1,044
33	Primary metals	8,473	8,491	8,613	9,390	-0.2	-1.4	-8.3	8,493	8,559	8,529	9,156	10,905
34	Fabricated metal products.....	6,115	6,140	6,215	6,381	-0.4	-1.2	-2.6	6,191	6,056	5,971	6,181	7,416
35	Machinery, except electrical.....	16,705	16,473	16,701	17,038	+1.4	-1.4	-2.0	16,865	16,646	16,513	17,057	18,800
36	Electrical Machinery.....	13,287	13,347	13,462	13,464	-0.4	-0.9	0.0	13,289	13,198	13,139	13,387	13,737
37	Transportation equipment.....	25,638	26,063	26,075	25,398	-1.6	0.0	+2.7	25,959	25,953	25,727	25,574	23,507
38	Instruments and related products..	3,890	3,911	3,987	4,085	-0.5	-1.9	-2.4	3,898	3,906	3,851	4,020	4,167
24,25, 39	All other durable goods.....	3,075	3,024	2,985	3,045	+1.7	+1.3	-2.0	3,095	3,027	2,972	3,009	3,215
	Nondurable goods industries.....	14,674	14,414	14,348	14,794	+1.8	+0.5	-3.0	14,574	14,342	14,087	14,718	15,693
20	Food and kindred products.....	1,774	1,765	1,779	1,741	+0.5	-0.8	+2.2	1,784	1,783	1,816	1,791	2,009
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,011	1,987	1,993	1,971	+1.2	-0.3	+1.1	2,050	2,008	1,955	1,953	2,180
26	Paper and allied products.....	1,011	1,005	1,005	1,013	+0.6	0.0	-0.8	1,004	978	957	1,004	947
28	Chemicals and allied products.....	3,308	3,158	3,185	3,420	+4.7	-0.8	-6.9	3,327	3,154	3,176	3,362	3,460
29	Petroleum and coal products.....	2,291	2,261	2,230	2,347	+1.3	+1.4	-5.0	2,239	2,232	2,207	2,392	2,756
30	Rubber and plastics products.....	1,059	1,085	1,103	1,145	-2.4	-1.6	-3.7	1,070	1,125	1,108	1,147	1,196
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,177	81,992	83,523	85,411	+0.2	-1.8	-2.2	83,075	82,371	82,074	84,035	88,968
	Durable goods industries.....	44,075	43,939	45,067	46,046	+0.3	-2.5	-2.1	44,876	43,879	43,923	44,632	47,932
32	Stone, clay, and glass products...	3,118	3,080	3,198	3,215	+1.2	-3.7	-0.5	3,264	3,074	3,068	3,024	3,423
33	Primary metals	5,495	5,418	5,600	5,918	+1.4	-3.3	-5.4	5,696	5,542	5,624	5,771	6,731
34	Fabricated metal products.....	4,386	4,413	4,581	4,772	-0.6	-3.7	-4.0	4,506	4,440	4,516	4,656	5,394
35	Machinery, except electrical.....	13,183	13,392	13,677	14,026	-1.6	-2.1	-2.5	13,298	13,265	13,400	13,660	13,920
36	Electrical Machinery.....	5,358	5,389	5,471	5,695	-0.6	-1.5	-3.9	5,354	5,286	5,279	5,520	5,895
37	Transportation equipment.....	4,667	4,496	4,623	4,496	+3.8	-2.7	+2.8	4,712	4,553	4,515	4,496	4,613
38	Instruments and related products..	2,362	2,393	2,482	2,516	-1.3	-3.6	-1.4	2,355	2,362	2,338	2,396	2,320
24,25, 39	All other durable goods.....	5,506	5,358	5,435	5,408	+2.8	-1.4	+0.5	5,691	5,357	5,183	5,109	5,636
	Nondurable goods industries.....	38,102	38,053	38,456	39,365	+0.1	-1.0	-2.3	38,199	38,492	38,151	39,403	41,036
20	Food and kindred products.....	10,771	10,784	10,789	11,003	-0.1	0.0	-1.9	10,725	11,087	11,092	11,824	11,113
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,489	2,443	2,451	2,496	+1.9	-0.3	-1.8	2,556	2,428	2,362	2,398	2,655
26	Paper and allied products.....	3,258	3,242	3,314	3,424	+0.5	-2.2	-3.2	3,264	3,208	3,194	3,353	3,305
28	Chemicals and allied products.....	8,338	8,432	8,783	8,892	-1.1	-4.0	-1.2	8,671	8,692	8,740	8,848	10,078
29	Petroleum and coal products.....	4,855	4,660	4,569	4,927	+4.2	+2.0	-7.3	4,650	4,806	4,706	5,020	4,930
30	Rubber and plastics products.....	2,434	2,482	2,485	2,556	-1.9	-0.1	-2.8	2,555	2,513	2,427	2,397	2,832
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982	Feb. 1983[p]	Jan. 1983[r]	Dec. 1982	Nov. 1982
	All manufacturing industries	1.68	1.67	1.74	1.77	3.73	3.69	3.73	3.72
	Durable goods industries	2.24	2.25	2.41	2.47	4.60	4.56	4.62	4.61
32	Stone, clay, and glass products	1.56	1.45	1.70	1.72	0.47	0.44	0.50	0.52
33	Primary metals	2.65	2.67	2.90	3.16	2.81	2.60	2.70	2.91
34	Fabricated metal products	1.80	1.84	2.00	1.99	2.56	2.60	2.79	2.75
35	Machinery, except electrical	2.96	2.88	2.86	2.88	4.11	4.11	4.08	4.20
36	Electrical machinery	2.21	2.23	2.32	2.40	4.99	4.96	5.09	5.07
37	Transportation equipment	2.18	2.31	2.56	2.65	11.60	11.83	11.50	11.55
38	Instruments and related products	2.27	2.28	2.37	2.47	1.86	1.80	1.81	1.90
	Nondurable goods industries	1.12	1.11	1.11	1.13	0.54	0.54	0.55	0.54
20	Food and kindred products	0.86	0.87	0.88	0.89	(X)	(X)	(X)	(X)
21	Tobacco products	3.87	4.19	3.38	4.12	(X)	(X)	(X)	(X)
22	Textile mill products	1.52	1.57	1.47	1.60	1.34	1.37	1.21	1.32
26	Paper and allied products	1.34	1.29	1.35	1.37	0.50	0.51	0.56	0.54
28	Chemicals and allied products	1.32	1.36	1.38	1.43	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.71	0.64	0.58	0.59	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.64	1.52	1.67	1.66	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Feb. 1982	All Febs. 1978-1982	Feb. 1982-Jan. 1983	Year ago Feb. 1982	All Febs. 1978-1982	Feb. 1982-Jan. 1983	Year ago Feb. 1982	All Febs. 1978-1982	Feb. 1982-Jan. 1983	Year ago Feb. 1982	All Febs. 1978-1982	Feb. 1982-Jan. 1983
	All manufacturing industries	0.1	0.1	0.3	0.4	0.4	0.3	0.0	0.2	0.3	0.2	0.1	0.1
	Durable goods industries	0.2	0.4	0.4	0.8	0.7	0.7	0.0	0.1	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products	0.1	0.5	1.4	1.7	1.0	1.5	1.3	0.7	1.5	0.8	1.3	0.8
33	Primary metals	0.1	0.9	0.4	0.0	0.7	0.8	0.0	0.1	0.2	0.3	0.3	0.3
34	Fabricated metal products	0.7	0.7	1.0	2.4	1.3	1.7	0.1	0.2	0.5	0.2	0.4	0.2
35	Machinery, except electrical	2.5	1.1	0.9	6.5	2.6	3.1	0.2	0.3	0.6	0.2	0.3	0.2
36	Electrical machinery	0.2	0.7	0.6	0.1	1.2	0.6	0.0	0.1	0.2	0.3	0.3	0.3
37	Transportation equipment	0.5	0.3	0.9	6.3	2.1	1.8	0.1	0.2	0.1	0.1	0.4	0.2
38	Instruments and related products	4.8	1.5	1.5	4.4	1.5	1.9	0.2	0.2	9.0	0.2	0.8	0.7
	Nondurable goods industries	0.1	0.4	0.4	0.1	0.4	0.4	1.3	0.8	0.9	0.2	0.2	0.3
20	Food and kindred products	0.2	0.5	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.7
21	Tobacco products	0.0	1.9	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	1.3	0.0
22	Textile mill products	0.5	0.5	1.5	0.6	0.8	1.4	0.8	0.7	1.1	0.8	0.5	0.6
26	Paper and allied products	0.3	0.8	1.2	3.4	1.5	2.1	5.6	2.0	2.2	1.2	0.4	0.4
28	Chemicals and allied products	0.6	1.3	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.5
29	Petroleum and coal products	0.4	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.9	1.3
30	Rubber and plastics products	5.5	2.6	1.6	(X)	(X)	(X)	(X)	(X)	(X)	2.2	0.8	1.0
	Capital Goods Industries:												
	Nondefense	2.0	0.8	1.0	3.8	1.6	1.9	0.2	0.7	0.5	0.1	0.2	0.2
	Defense	3.4	1.4	0.9	15.8	5.9	4.9	0.4	0.4	0.3	0.2	0.7	0.4

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C
3.158:
M3-1(83)-3

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

GOVERNMENT DOCUMENTS
JUN 6 1983
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

MARCH 1983
M3-1(83)-3

FOR WIRE TRANSMISSION 2:00 P.M. E.D.T Monday, May 2, 1983

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in March increased $5.1 billion or 3.2 percent from February to $161.8 billion the Department of Commerce, Bureau of the Census reported today. This is the fourth monthly increase since October, when orders reached a low of $149.7 billion. New orders declined last month $3.5 billion or 2.2 percent.

New orders for durable goods increased $2.7 billion or 3.5 percent to $80.8 billion. The new orders increase had originally been reported at only 0.3 percent. The upward revision was based on additional survey response and affected most major industry categories. New orders for nondurable goods were up $2.4 billion or 3.0 percent to $81.0 billion.

New orders for nondefense capital goods in March were up $2.0 billion or 10.7 percent to $20.8 billion. This is the largest one month increase in that series since an 11.9 percent gain in March 1981. Most of this month's increase was attributable to the office and computing equipment industry. New orders for defense capital goods were up $1.5 billion or 25 percent to $7.7 billion. Defense orders in January and February had large declines following the December record orders of $11.3 billion.

Within the major industry categories new orders for machinery increased $2.7 billion or 11.0 percent to $27.4 billion, the largest increase in that category since the 10.1 percent increase registered in January 1980. Most of the machinery orders increase was also attributable to the office and computing equipment industry. Partially offsetting the increase in new orders for machinery was a decline in orders for primary metals of $1.2 billion or 12.8 percent to $8.4 billion. New orders for primary metals had large increases in January of 24 percent and February of 17 percent.

Shipments of manufactured goods in March increased $3.8 billion or 2.4 percent to $160.2 billion. This increase plus the January increase of 2.5 percent brings the shipments back close to the 1982 peak of $161.5 billion.

Within the durable goods sector shipments increased $2.0 billion or 2.5 percent to $79.6 billion. This is the fifth consecutive monthly increase since reaching a low last October of $72.3 billion. The industries showing the largest shipments increases in March were nonelectrical machinery, up $1.2 billion or 8.8 percent to $14.8 billion and primary metals, up $0.4 billion or 4.8 percent to $8.4 billion.

Shipments in the nondurable goods sector increased $1.8 billion or 2.3 percent to $80.6 billion in March with most of the major industries showing increases. The largest increase was in the petroleum and coal products category which went up $0.9 billion or 6.6 percent to $14.4 billion. This is the first increase in shipments in this category since last September when they were valued at $17.4 billion.

The value of unfilled orders held by manufacturers was estimated at $300.1 billion, $1.6 billion or 0.5 percent above February. This is the fourth monthly increase in backlog following sixteen consecutive monthly declines Excluding the orders backlog for defense capital goods, the decline in the backlog has been continuous since July 1981.

Within the durable goods sector the value of the orders backlog increased in most of the major industry categories, including transportation equipment, machinery, and primary metals. The orders backlog for nondefense capital goods decreased $1.6 billion or 1.4 percent to $118.4 billion. This is the 22nd consecutive monthly decline since the peak recorded in January 1981 of $157.0 billion. The orders backlog for defense capital goods increased $2.4 billion or 2.5 precent to $98.0 billion, the fifth consecutive monthly increase.

The book value of manufacturers' inventories in March were estimated at $257.8 billion, a 1.5 percent decline from January. Except for a small increase in February 1982 of 0.2 percent, inventories have been declining in value since November 1981 when they were estimated 11 percent higher at $285.8 billion. During that time raw material inventories have declined 12.4 percent, work in process inventories 8.8 percent, and finished goods inventories 8.1 percent. The inventory to shipments ratio at the end of March was 1.61 down from 1.67 in February. This is the lowest the ratio has been since the 1.61 recorded in June 1981.

The advance report on durable goods for April in scheduled for release on May 20, 1983, and the full report is scheduled for release on June 1, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	1983[p]	1982
	All manufacturing industries	160,165	156,366	156,592	152,815	+2.4	-0.1	+2.5	168,637	158,028	145,179	148,554	471,844	470,483
	Manufacturing industries with unfilled orders	83,083	80,403	80,919	79,056	+3.3	-0.6	+2.4	87,899	81,303	73,959	77,687	243,161	248,473
	Durable goods industries	79,576	77,620	77,251	73,373	+2.5	+0.5	+5.3	85,329	78,228	69,843	71,331	233,400	231,210
	With unfilled orders	65,413	63,090	63,341	61,665	+3.7	-0.4	+2.7	69,760	63,823	57,474	61,005	191,057	196,875
32	Stone, clay, and glass products	3,895	3,887	4,136	3,697	+0.2	-6.0	+11.9	3,946	3,630	3,443	3,307	11,019	10,652
322	Glass containers	426	407	432	398	+4.7	-5.8	+8.5	473	388	391	357	1,252	1,300
33	Primary metals	8,380	7,997	7,961	7,565	+4.8	+0.5	+5.2	9,220	8,398	7,643	7,052	25,261	29,422
331	Blast furnaces, steel mills	3,386	3,210	3,276	3,148	+5.5	-2.0	+4.1	3,830	3,370	3,164	3,007	10,364	14,701
333-9	Nonferrous and other primary metals	4,227	4,026	3,909	3,766	+5.0	+3.0	+3.8	4,586	4,248	3,749	3,465	12,583	12,031
34	Fabricated metal products	9,388	9,470	9,414	8,794	-0.9	+0.6	+7.1	9,905	9,417	8,516	8,306	27,838	28,207
341	Metal cans, barrels, and drums	858	916	924	827	-6.3	-0.9	+11.7	876	882	768	705	2,526	2,662
35	Machinery, except electrical	14,837	13,636	14,033	14,352	+8.8	-2.8	-2.2	16,123	13,864	12,589	15,095	42,576	49,451
351	Engines and turbines	1,002	1,020	973	966	-1.8	+4.8	+0.7	1,172	1,084	949	972	3,205	4,036
352	Farm machinery and equipment	888	821	907	955	+8.2	-9.5	-5.0	1,072	864	857	798	2,793	3,385
353	Construction, mining, and material handling equipment	2,023	1,897	1,944	2,355	+6.6	-2.4	-17.5	2,124	1,963	1,886	2,235	5,973	9,342
354	Metalworking machinery	615	655	776	695	-6.1	-15.6	+11.7	702	691	683	724	2,076	2,990
356	General industrial machinery	1,090	1,156	1,248	1,237	-5.7	-7.4	+0.9	1,141	1,184	1,115	1,239	3,440	4,152
357	Office and computing machines	4,458	3,638	3,515	3,740	+22.5	+3.5	-6.0	4,699	3,384	2,746	4,933	10,829	10,017
36	Electrical machinery	12,160	11,752	11,689	11,340	+3.5	+0.5	+3.1	12,779	11,988	10,839	11,226	35,606	34,193
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,690	1,599	1,610	1,758	+5.7	-0.7	-8.4	1,798	1,683	1,535	1,684	5,016	5,429
363	Household appliances	1,203	1,170	1,297	1,004	+2.8	-9.8	+29.2	1,273	1,194	1,122	920	3,589	2,961
365	Radio and TV	681	633	679	552	+7.6	-6.8	+23.0	656	638	562	567	1,856	1,895
366	Communication equipment	3,985	3,889	3,810	3,826	+2.5	+2.1	-0.4	4,285	3,873	3,507	3,956	11,665	10,976
367	Electronic components	2,608	2,463	2,408	2,381	+5.9	+2.3	+1.1	2,704	2,572	2,307	2,262	7,583	7,159
37	Transportation equipment	18,594	18,535	17,552	16,051	+0.3	+5.6	+9.4	20,488	18,943	16,044	15,445	55,475	45,526
371	Motor vehicles and parts	10,918	11,326	10,338	8,601	-3.6	+9.6	+20.2	12,247	11,635	9,735	7,616	33,617	25,405
372,6	Aircraft, missiles, and parts	6,106	5,562	5,807	5,997	+9.8	-4.2	-3.2	6,532	5,677	5,036	6,364	17,245	15,077
3731	Shipbuilding and military tank vehicles	913	987	788	915	-7.5	+25.3	-13.9	946	938	728	971	2,612	2,715
38	Instruments and related products	3,819	3,835	3,902	3,858	-0.4	-1.7	+1.1	4,040	3,739	3,513	3,878	11,292	11,382
381-4	Scientific and engineering instruments	2,275	2,322	2,305	2,368	-2.0	+0.7	-2.7	2,421	2,308	2,173	2,390	6,902	6,987
386	Photographic goods	1,308	1,273	1,369	1,278	+2.7	-7.0	+7.1	1,370	1,193	1,143	1,301	3,706	3,730
24,25, 39	All other durable goods	8,503	8,508	8,564	7,716	-0.1	-0.7	+11.0	8,828	8,249	7,256	7,022	24,333	22,379
	Nondurable goods industries	80,589	78,746	79,341	79,442	+2.3	-0.7	-0.1	83,308	79,800	75,336	77,223	238,444	239,272
	With unfilled orders	17,670	17,313	17,578	17,391	+2.1	-1.5	+1.1	18,139	17,480	16,485	16,682	52,104	51,597
20	Food and kindred products	23,424	23,217	22,766	22,277	+0.9	+2.0	+2.2	24,182	23,277	21,212	22,430	68,671	66,534
201	Meat products	6,196	5,985	6,001	6,000	+3.5	-0.3	0.0	6,190	6,021	5,863	6,132	18,074	17,181
208	Beverages	3,340	3,503	3,257	2,928	-4.7	+7.6	+11.2	3,276	3,107	2,717	2,656	9,100	8,311
207	Fats and oils	1,307	1,280	1,475	1,359	+2.1	-13.2	+8.5	1,397	1,357	1,464	1,369	4,218	4,481
203-6,9	All other foods	9,382	9,269	8,997	8,852	+1.2	+3.0	+1.6	10,104	9,612	8,269	9,188	27,985	27,292
21	Tobacco products	1,527	1,186	1,094	1,310	+28.8	+8.4	-16.5	1,469	1,116	1,041	1,341	3,626	3,213
22	Textile mill products	4,313	4,170	3,982	4,295	+3.4	+4.7	-7.3	4,688	4,152	3,621	4,012	12,461	12,313
26	Paper and allied products	6,624	6,564	6,743	6,502	+0.9	-2.7	+3.7	6,944	6,741	6,445	5,976	20,130	20,113
261-3,6	Pulp, paper etc.	2,774	2,758	2,779	2,603	+0.6	-0.8	+6.8	2,914	2,822	2,618	2,432	8,354	8,544
265	Paperboard containers	1,475	1,443	1,537	1,511	+2.2	-6.1	+1.7	1,550	1,487	1,447	1,356	4,484	4,574
264	All other paper products	2,375	2,363	2,427	2,388	+0.5	-2.6	+1.6	2,480	2,432	2,380	2,188	7,292	6,995
28	Chemicals and allied products	14,896	14,515	14,133	14,189	+2.6	+2.7	-0.4	16,293	14,814	13,675	13,556	44,782	42,905
281,6	Industrial chemicals, except pigments	4,409	4,309	4,188	4,443	+2.3	+2.9	-5.7	5,022	4,481	4,066	4,288	13,569	14,473
283,4	Drugs, soaps, and toiletries	4,194	4,246	4,184	4,132	-1.2	+1.5	+1.3	4,429	4,284	3,987	4,108	12,700	11,233
29	Petroleum and coal products	14,373	13,478	14,700	15,818	+6.6	-8.3	-7.1	14,198	13,896	14,909	16,022	43,003	49,378
30	Rubber and plastics products	3,335	3,375	3,581	3,337	-1.2	-5.8	+7.3	3,521	3,514	3,317	3,007	10,352	10,651
23,27, 31	All other nondurable goods	12,097	12,241	12,342	11,714	-1.2	-0.8	+5.4	12,013	12,290	11,116	10,879	35,419	34,165
	Market categories:													
	Home goods and apparel	11,358	11,504	11,217	10,313	-1.3	+2.6	+8.8	11,826	11,577	9,653	8,914	33,056	31,901
	Consumer staples	31,879	31,292	30,701	30,388	+1.9	+1.9	+1.0	32,560	31,157	28,461	30,492	92,178	87,196
	Equipment and defense products, except automotive	24,397	23,370	23,576	24,531	+4.4	-0.9	-3.9	26,222	23,356	20,982	25,963	70,560	74,829
	Automotive equipment	12,696	13,092	12,048	10,110	-3.0	+8.7	+19.2	14,155	13,312	11,202	8,885	38,669	29,750
	Construction materials, supplies and intermediate products	12,447	12,353	12,817	11,267	+0.8	-3.6	+13.8	12,531	11,668	10,743	10,410	34,942	32,141
	Other materials, supplies, and intermediate products	67,388	64,755	66,233	66,206	+4.1	-2.2	0.0	71,343	66,958	64,138	63,890	202,439	214,665
	Supplementary series:[2]													
	Capital goods industries	27,715	26,071	26,256	27,053	+6.3	-0.7	-2.9	29,657	26,326	23,572	28,630	79,555	83,841
	Nondefense	22,425	20,869	21,214	21,953	+7.5	-1.6	-3.4	24,135	21,180	19,032	23,241	64,347	71,219
	Defense	5,290	5,202	5,042	5,100	+1.7	+3.2	-1.1	5,522	5,146	4,540	5,389	15,208	12,621
	Household durable goods industries	5,097	4,959	4,988	4,419	+2.8	-0.6	+12.9	5,403	4,979	4,260	4,065	14,642	14,166

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	1983[p]	1982
	All manufacturing industries	161,754	156,683	160,214	156,263	+3.2	-2.2	+2.5	171,081	159,451	152,422	153,211	482,954	473,928
	Manufacturing industries with unfilled orders	84,672	80,720	84,541	82,504	+4.9	-4.5	+2.5	90,343	82,726	81,202	82,344	254,271	251,917
	Durable goods industries	80,791	78,084	80,921	76,593	+3.5	-3.5	+5.7	87,322	79,774	76,814	75,718	243,910	234,787
	With unfilled orders	66,628	63,554	67,011	64,885	+4.8	-5.2	+3.3	71,753	65,369	64,445	65,392	201,567	200,451
32	Stone, clay, and glass products	3,942	3,949	4,108	3,650	-0.2	-3.9	+12.5	4,014	3,724	3,489	3,247	11,227	10,409
33	Primary metals	8,442	9,676	8,246	6,655	-12.8	+17.3	+23.9	9,708	10,774	8,394	7,284	28,876	27,650
331	Blast furnaces, steel mills	3,466	4,131	3,449	2,485	-16.1	+19.8	+38.8	4,154	4,885	3,473	3,176	12,512	13,278
333-9	Nonferrous and other primary metals	4,162	4,787	4,018	3,546	-13.1	+19.1	+13.3	4,690	5,081	4,146	3,537	13,917	11,965
34	Fabricated metal products	9,406	9,241	9,215	8,426	+1.8	+0.3	+9.4	10,147	9,170	8,490	8,031	27,807	27,798
35	Machinery, except electrical	14,898	12,579	13,321	12,488	+18.4	-5.6	+6.7	16,040	13,728	12,272	13,180	42,040	45,973
351	Engines and turbines	906	1,016	1,037	341	-10.8	-2.0	(n)	1,075	1,050	1,025	-349	3,150	3,633
353	Construction, mining, and material handling equipment	1,922	1,764	1,804	1,884	+9.0	-2.2	-4.2	2,031	1,937	1,794	1,873	5,762	8,137
354	Metalworking machinery	557	615	601	598	-9.4	+2.3	+0.5	646	654	545	587	1,845	2,139
356	General industrial machinery	977	1,196	1,050	1,153	-18.3	+13.9	-8.9	1,037	1,234	1,067	1,086	3,338	4,062
357	Office and computing machines	4,717	2,651	3,427	4,174	+77.9	-22.6	-17.9	4,821	3,189	2,622	5,193	10,632	9,505
36	Electrical machinery	12,504	12,097	11,986	12,473	+3.4	+0.9	-3.9	13,219	12,935	11,809	12,144	37,963	37,292
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,635	1,671	1,383	1,691	-2.2	+20.8	-18.2	1,761	1,833	1,400	1,557	4,994	5,386
363	Household appliances	1,234	1,143	1,335	1,024	+8.0	-14.4	+30.4	1,300	1,198	1,193	947	3,691	3,005
365	Radio and TV	593	693	668	570	-14.4	+3.7	+17.2	552	703	544	588	1,799	1,879
366	Communication equipment	4,264	4,115	3,922	4,826	+3.6	+4.9	-18.7	4,588	4,384	4,085	4,941	13,057	13,612
367	Electronic components	2,806	2,433	2,764	2,542	+15.3	-12.0	+8.7	2,952	2,749	2,763	2,302	8,464	7,624
37	Transportation equipment	19,272	18,048	21,510	21,732	+6.8	-16.1	-1.0	21,168	17,240	21,337	21,416	59,745	50,654
372,6	Aircraft, missiles, and parts	7,425	5,617	8,472	7,395	+32.2	-33.7	+14.6	7,524	4,633	8,856	8,050	21,013	20,244
3731	Shipbuilding and military tank vehicles	184	347	1,947	5,047	-47.0	-82.2	-61.4	599	165	1,930	5,091	2,694	3,076
38	Instruments and related products	3,699	3,946	3,967	3,667	-6.3	-0.5	+8.2	3,999	3,857	3,646	3,753	11,502	11,713
24,25, 39	All other durable goods	8,628	8,548	8,568	7,502	+0.9	-0.2	+14.2	9,027	8,346	7,377	6,663	24,750	23,296
	Nondurable goods industries	80,963	78,599	79,293	79,670	+3.0	-0.9	-0.5	83,759	79,677	75,608	77,493	239,044	239,140
	With unfilled orders	18,044	17,166	17,530	17,619	+5.1	-2.1	-0.5	18,590	17,357	16,757	16,952	52,704	51,465
	Market categories:													
	Home goods and apparel	11,387	11,599	11,330	10,420	-1.8	+2.4	+8.7	11,878	11,756	9,855	8,872	33,489	32,391
	Consumer staples	31,870	31,270	30,666	30,456	+1.9	+2.0	+0.7	32,525	31,116	28,551	30,514	92,192	87,326
	Equipment and defense products, except automotive	23,349	21,937	26,460	27,776	+6.4	-17.1	-4.7	25,648	22,040	25,313	30,038	73,001	80,119
	Automotive equipment	12,740	13,216	12,216	10,335	-3.6	+8.2	+18.2	14,145	13,456	11,498	9,126	39,099	29,403
	Construction materials, supplies and intermediate products	12,652	12,185	12,652	10,995	+3.8	-3.7	+15.1	12,864	11,546	10,770	10,112	35,180	32,018
	Other materials, supplies, and intermediate products	69,756	66,476	66,890	66,281	+4.9	-0.6	+0.9	74,021	69,537	66,435	64,549	209,993	212,671
	Supplementary series:[2]													
	Capital goods industries	28,454	24,906	29,348	31,463	+14.2	-15.1	-6.7	30,503	25,146	28,726	33,202	84,375	88,740
	Nondefense	20,773	18,766	20,466	20,154	+10.7	-8.3	+1.5	22,761	19,635	19,752	21,215	62,148	68,324
	Defense	7,681	6,140	8,882	11,309	+25.1	-30.9	-21.5	7,742	5,511	8,974	11,987	22,227	20,415
	Household durable goods industries	5,159	5,028	5,078	4,480	+2.6	-1.0	+13.3	5,457	5,149	4,444	3,998	15,050	14,722

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for engines and turbines in January was 387.4 percent.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Mar. 1982
	All manufacturing industries..	300,097	298,511	298,197	294,572	+0.5	+0.1	+1.2	304,093	301,644	300,221	292,978	319,817
	Durable goods industries.....	290,425	289,212	288,750	285,077	+0.4	+0.2	+1.3	294,271	292,272	290,726	283,757	309,971
32	Stone, clay, and glass products...	1,730	1,684	1,622	1,650	+2.7	+3.8	-1.7	1,764	1,695	1,601	1,555	1,871
33	Primary metals.....	22,432	22,371	20,692	20,408	+0.3	+8.1	+1.4	23,939	23,451	21,075	20,325	24,737
331	Blast furnaces, steel mills.....	13,328	13,249	12,328	12,155	+0.6	+7.5	+1.4	14,315	13,991	12,476	12,167	14,691
333-9	Nonferrous and other primary metals.....	6,857	6,922	6,161	6,053	-0.9	+12.4	+1.8	7,296	7,192	6,359	5,962	7,127
34	Fabricated metal products.....	21,826	21,809	22,038	22,238	+0.1	-1.0	-0.9	22,004	21,761	22,008	22,034	28,568
35	Machinery, except electrical.....	52,922	52,857	53,913	54,627	+0.1	-2.0	-1.3	53,540	53,623	53,760	54,074	68,409
351	Engines and turbines.....	13,895	13,990	13,993	13,930	-0.7	0.0	+0.5	13,946	14,042	14,076	13,999	16,098
353	Construction, mining, and material handling equipment....	4,961	5,062	5,195	5,335	-2.0	-2.6	-2.6	5,070	5,164	5,190	5,282	9,506
354	Metalworking machinery.....	2,138	2,196	2,235	2,410	-2.6	-1.7	-7.3	2,142	2,198	2,235	2,374	3,946
356	General industrial machinery....	4,787	4,900	4,860	5,058	-2.3	+0.8	-3.9	4,825	4,929	4,880	4,927	6,532
357	Office and computing machines...	17,680	17,420	18,408	18,497	+1.5	-5.4	-0.5	17,839	17,717	17,911	18,034	20,044
36	Electrical machinery.....	58,694	58,352	58,007	57,710	+0.6	+0.6	+0.5	59,347	58,905	57,957	56,988	54,330
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	7,401	7,455	7,383	7,609	-0.7	+1.0	-3.0	7,419	7,456	7,305	7,440	8,469
363	Household appliances.....	414	384	411	373	+7.8	-6.6	+10.2	426	399	395	323	332
365	Radio and TV.....	287	376	316	327	-23.7	+19.0	-3.4	253	356	291	310	316
366	Communication equipment.....	37,110	36,832	36,606	36,495	+0.8	+0.6	+0.3	37,741	37,437	36,926	36,348	32,220
367	Electronic components.....	12,359	12,160	12,191	11,835	+1.6	-0.3	+3.0	12,396	12,148	11,971	11,516	11,887
37	Transportation equipment.....	121,915	121,237	121,727	117,765	+0.6	-0.4	+3.4	122,726	122,044	123,747	118,455	119,355
372,6	Aircraft, missiles, and parts...	94,460	93,140	93,087	90,419	+1.4	+0.1	+3.0	94,767	93,774	94,818	90,999	92,856
3731	Shipbuilding and military tank vehicles.....	21,622	22,351	22,991	21,831	-3.3	-2.8	+5.3	21,990	22,337	23,110	21,908	19,805
38	Instruments and related products..	7,033	7,153	7,042	6,976	-1.7	+1.6	+0.9	7,106	7,147	7,029	6,897	7,443
24,25, 39	All other durable goods.....	3,873	3,749	3,709	3,703	+3.3	+1.1	+0.2	3,845	3,646	3,549	3,429	5,258
	Nondurable goods industries.....	9,672	9,299	9,447	9,495	+4.0	-1.6	-0.5	9,822	9,372	9,495	9,221	9,847
	Market categories:												
	Home goods and apparel.....	3,080	3,055	2,960	2,847	+0.8	+3.2	+4.0	2,969	2,914	2,735	2,533	3,470
	Consumer staples.....	725	734	756	790	-1.2	-2.9	-4.3	744	779	820	730	860
	Equipment and defense products, except automotive.....	176,840	177,887	179,321	176,435	-0.6	-0.8	+1.6	179,003	179,575	180,893	176,562	186,468
	Automotive equipment.....	5,433	5,389	5,266	5,098	+0.8	+2.3	+3.3	5,564	5,573	5,429	5,133	5,946
	Construction materials, supplies and intermediate products.....	13,116	12,911	13,079	13,244	+1.6	-1.3	-1.2	13,207	12,874	12,996	12,970	16,517
	Other materials, supplies, and intermediate products	100,903	98,535	96,815	96,158	+2.4	+1.8	+0.7	102,606	99,929	97,348	95,050	106,556
	Supplementary series:[2]												
	Capital goods industries.....	216,395	215,653	216,818	213,724	+0.3	-0.5	+1.4	218,359	217,511	218,691	213,535	224,967
	Nondefense.....	118,426	120,074	122,175	122,924	-1.4	-1.7	-0.6	119,505	120,879	122,424	121,700	142,337
	Defense.....	97,969	95,579	94,643	90,800	+2.5	+1.0	+4.2	98,854	96,632	96,267	91,835	82,631
	Household durable goods industries.....	2,754	2,696	2,627	2,536	+2.2	+2.6	+3.6	2,652	2,595	2,425	2,241	3,174

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec 1982	Mar. 1982
	All manufacturing industries..	257,808	261,641	262,124	265,212	-1.5	-0.2	-1.2	259,648	263,329	262,741	262,303	282,050
	Manufacturing industries with unfilled orders.....	177,916	180,261	181,068	183,985	-1.3	-0.4	-1.6	179,365	181,089	180,375	180,903	194,061
	Durable goods industries.....	171,087	173,489	174,005	176,975	-1.4	-0.3	-1.7	172,898	174,949	173,886	174,239	188,026
	With unfilled orders.....	157,578	159,671	160,309	163,217	-1.3	-0.4	-1.8	158,916	160,648	160,017	160,721	172,482
32	Stone, clay, and glass products...	6,028	6,023	5,983	6,287	+0.1	+0.7	-4.8	6,230	6,204	5,994	6,102	6,768
322	Glass containers.....	681	683	685	695	-0.3	-0.3	-1.4	681	692	665	663	719
33	Primary metals.....	20,990	21,267	21,289	21,902	-1.3	-0.1	-2.8	20,984	21,528	21,672	22,059	26,005
331	Blast furnaces, steel mills.....	9,990	10,061	10,139	10,706	-0.7	-0.8	-5.3	9,730	10,202	10,453	10,995	13,095
333-9	Nonferrous and other primary metals.....	9,735	9,946	9,897	9,919	-2.1	+0.5	-0.2	9,939	10,046	9,976	9,830	11,382
34	Fabricated metal products.....	16,890	17,160	17,292	17,562	-1.6	-0.8	-1.5	17,266	17,320	17,204	17,192	20,263
341	Metal cans, barrels, and drums..	1,451	1,514	1,483	1,338	-4.2	+2.1	+10.8	1,616	1,560	1,461	1,194	1,570
35	Machinery, except electrical.....	39,688	40,380	40,418	40,983	-1.7	-0.1	-1.4	39,989	40,589	40,406	40,526	44,537
351	Engines and turbines.....	2,106	2,201	2,233	2,274	-4.3	-1.4	-1.8	2,124	2,229	2,254	2,278	2,607
352	Farm machinery and equipment....	1,916	1,999	2,029	2,130	-4.2	-1.5	-4.7	2,025	2,107	2,047	2,128	2,969
353	Construction, mining, and material handling equipment....	9,244	9,490	9,585	9,853	-2.6	-1.0	-2.7	9,364	9,575	9,643	9,794	11,094
354	Metalworking machinery.....	2,053	2,059	2,088	2,118	-0.3	-1.4	-1.4	2,045	2,067	2,084	2,093	2,578
356	General industrial machinery....	3,950	3,955	3,962	4,037	-0.1	-0.2	-1.9	3,994	4,003	4,014	3,976	4,142
357	Office and computing machines...	10,148	10,212	10,000	9,866	-0.6	+2.1	+1.4	10,036	10,109	9,880	9,738	9,490
36	Electrical machinery.....	25,517	25,769	26,024	26,308	-1.0	-1.0	-1.1	25,722	25,703	25,705	25,638	27,737
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,921	3,970	3,999	4,088	-1.2	-0.7	-2.2	3,905	3,968	3,962	4,029	4,458
363	Household appliances.....	1,798	1,816	1,803	1,761	-1.0	+0.7	+2.4	1,850	1,832	1,776	1,682	1,950
365	Radio and TV.....	1,288	1,306	1,356	1,422	-1.4	-3.7	-4.6	1,261	1,276	1,303	1,361	1,761
366	Communication equipment.....	9,317	9,319	9,309	9,373	0.0	+0.1	-0.7	9,421	9,306	9,279	9,168	9,522
367	Electronic components.....	5,327	5,407	5,571	5,641	-1.5	-2.9	-1.2	5,365	5,401	5,487	5,556	5,717
37	Transportation equipment.....	39,667	40,434	40,514	41,162	-1.9	-0.2	-1.6	40,099	40,917	40,439	40,504	38,587
371	Motor vehicles and parts.....	8,283	8,303	8,175	8,578	-0.2	+1.6	-4.7	8,399	8,497	8,316	8,329	8,790
372,6	Aircraft, missiles, and parts...	28,449	28,898	29,025	29,242	-1.6	-0.4	-0.7	28,710	29,136	28,786	28,839	25,936
3731	Shipbuilding and military tank vehicles.....	1,447	1,587	1,569	1,501	-8.8	+1.1	+4.5	1,440	1,540	1,517	1,444	1,894
38	Instruments and related products..	8,736	8,795	8,882	9,148	-0.7	-1.0	-2.9	8,829	8,794	8,838	8,856	9,508
381-4	Scientific and engineering instruments.....	6,460	6,413	6,439	6,552	+0.7	-0.4	-1.7	6,505	6,426	6,439	6,428	6,528
386	Photographic goods.....	1,841	1,947	1,978	2,115	-5.4	-1.6	-6.5	1,879	1,933	1,944	1,963	2,456
24,25, 39	All other durable goods.....	13,571	13,661	13,603	13,623	-0.7	+0.4	-0.1	13,779	13,894	13,628	13,362	14,622
	Nondurable goods industries.....	86,721	88,152	88,119	88,237	-1.6	0.0	-0.1	86,750	88,380	88,855	88,064	94,024
	With unfilled orders.....	20,338	20,590	20,759	20,768	-1.2	-0.8	0.0	20,449	20,441	20,358	20,182	21,579
20	Food and kindred products.....	19,537	19,764	19,849	19,631	-1.1	-0.4	+1.1	19,249	19,935	20,456	20,324	20,115
201	Meat products.....	1,780	1,811	1,804	1,703	-1.7	+0.4	+5.9	1,792	1,841	1,820	1,696	1,948
208	Beverages.....	3,499	3,528	3,484	3,425	-0.8	+1.3	+1.7	3,601	3,616	3,540	3,473	3,723
207	Fats and oils.....	1,192	1,290	1,254	1,238	-7.6	+2.9	+1.3	1,280	1,434	1,380	1,415	1,393
203-6,9	All other foods.....	11,363	11,424	11,620	11,615	-0.5	-1.7	0.0	10,931	11,390	12,062	12,149	11,334
21	Tobacco products.....	4,645	4,589	4,581	4,433	+1.2	+0.2	+3.3	4,817	4,874	4,910	4,708	4,741
22	Textile mill products.....	6,288	6,192	6,246	6,304	+1.6	-0.9	-0.9	6,462	6,351	6,295	6,136	6,769
26	Paper and allied products.....	8,650	8,688	8,731	8,808	-0.4	-0.5	-0.9	8,663	8,623	8,587	8,648	8,928
261-3,6	Pulp, paper etc.	3,528	3,608	3,644	3,613	-2.2	-1.0	+0.9	3,555	3,578	3,583	3,597	3,564
265	Paperboard containers.....	2,210	2,211	2,248	2,368	0.0	-1.6	-5.1	2,210	2,196	2,223	2,283	2,311
264	All other paper products.....	2,912	2,869	2,839	2,827	+1.5	+1.1	+0.4	2,898	2,849	2,781	2,768	3,052
28	Chemicals and allied products.....	19,138	19,224	19,261	19,610	-0.4	-0.2	-1.8	19,394	19,585	19,531	19,590	21,724
281,6	Industrial chemicals, except pigments	5,623	5,622	5,715	5,808	0.0	-1.6	-1.6	5,623	5,712	5,846	5,767	6,765
283,4	Drugs, soaps, and toiletries ...	6,219	6,259	6,195	6,201	-0.6	+1.0	-0.1	6,181	6,184	6,114	6,151	6,652
29	Petroleum and coal products	8,996	9,843	9,470	9,217	-8.6	+3.9	+2.7	8,639	9,452	9,510	9,239	10,113
30	Rubber and plastics products.....	5,401	5,445	5,456	5,584	-0.8	-0.2	-2.3	5,558	5,529	5,536	5,529	6,335
23,27, 31	All other nondurable goods.....	14,066	14,407	14,525	14,650	-2.4	-0.8	-0.9	13,968	14,031	14,030	13,890	15,300
	Market categories:												
	Home goods and apparel.....	20,075	20,350	20,556	20,842	-1.4	-1.0	-1.4	20,154	20,196	20,162	19,922	22,110
	Consumer staples.....	32,169	32,393	32,442	32,129	-0.7	-0.2	+1.0	31,970	32,563	33,079	32,757	33,424
	Equipment and defense products, except automotive.....	74,049	75,060	75,460	76,315	-1.3	-0.5	-1.1	74,717	75,482	75,226	75,325	77,482
	Automotive equipment.....	10,464	10,622	10,582	11,038	-1.5	+0.4	-4.1	10,710	10,954	10,806	10,820	11,493
	Construction materials, supplies and intermediate products.....	18,987	19,048	18,973	19,568	-0.3	+0.4	-3.0	19,537	19,518	19,008	19,165	21,694
	Other materials, supplies, and intermediate products	102,064	104,168	104,111	105,320	-2.0	+0.1	-1.1	102,560	104,616	104,460	104,314	115,848
	Supplementary series:[2]												
	Capital goods industries.....	84,246	85,634	85,775	86,565	-1.6	-0.2	-0.9	84,855	85,890	85,326	85,187	87,460
	Nondefense.....	67,489	69,158	69,355	70,735	-2.4	-0.3	-2.0	68,077	69,484	69,143	69,625	73,584
	Defense.....	16,757	16,476	16,420	15,830	+1.7	+0.3	+3.7	16,778	16,406	16,183	15,562	13,877
	Household durable goods industries.....	9,797	9,971	10,100	10,133	-1.7	-1.3	-0.3	9,886	9,982	9,935	9,787	10,981

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Mar. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,010	86,934	87,398	88,319	-2.2	-0.5	-1.0	85,871	87,179	87,820	88,541	95,078
	Durable goods industries.....	50,188	51,439	51,746	52,886	-2.4	-0.6	-2.2	50,446	51,447	51,799	52,715	57,134
32	Stone, clay, and glass products...	2,073	2,077	2,032	2,105	-0.2	+2.2	-3.5	2,079	2,074	2,057	2,135	2,341
33	Primary metals	6,910	7,237	7,380	7,689	-4.5	-1.9	-4.0	6,840	7,276	7,571	7,906	8,593
34	Fabricated metal products.....	6,373	6,714	6,739	6,766	-5.1	-0.4	-0.4	6,519	6,677	6,708	6,705	7,547
35	Machinery, except electrical.....	10,440	10,502	10,553	10,605	-0.6	-0.5	-0.5	10,439	10,436	10,495	10,613	11,739
36	Electrical Machinery.....	7,090	7,205	7,288	7,375	-1.6	-1.1	-1.2	7,090	7,141	7,221	7,220	7,901
37	Transportation equipment.....	9,893	10,052	9,955	10,464	-1.6	+1.0	-4.9	10,031	10,168	9,933	10,262	10,311
38	Instruments and related products..	2,406	2,503	2,578	2,679	-3.9	-2.9	-3.8	2,430	2,501	2,570	2,667	3,014
24,25, 39	All other durable goods.....	5,003	5,149	5,221	5,203	-2.8	-1.4	+0.3	5,018	5,174	5,244	5,207	5,688
	Nondurable goods industries.....	34,822	35,495	35,652	35,433	-1.9	-0.4	+0.6	35,425	35,732	36,021	35,826	37,944
20	Food and kindred products.....	7,199	7,281	7,300	7,063	-1.1	-0.3	+3.4	7,338	7,494	7,586	7,416	7,548
21	Tobacco products.....	4,173	4,114	4,160	4,099	+1.4	-1.1	+1.5	4,369	4,420	4,496	4,392	4,297
22	Textile mill products.....	1,809	1,772	1,816	1,860	+2.1	-2.4	-2.4	1,896	1,828	1,859	1,819	2,042
26	Paper and allied products.....	4,380	4,418	4,484	4,489	-0.9	-1.5	-0.1	4,342	4,354	4,401	4,497	4,577
28	Chemicals and allied products.....	7,440	7,603	7,671	7,642	-2.1	-0.9	+0.4	7,591	7,610	7,685	7,674	8,337
29	Petroleum and coal products.....	2,316	2,639	2,549	2,418	-12.2	+3.5	+5.4	2,326	2,507	2,472	2,326	2,466
30	Rubber and plastics products.....	1,897	1,906	1,889	1,996	-0.5	+0.9	-5.4	1,891	1,858	1,898	1,994	2,181
23,27, 31	All other nondurable goods.....	5,608	5,762	5,783	5,866	-2.7	-0.4	-1.4	5,672	5,661	5,624	5,708	6,496
	WORK IN PROCESS												
	All manufacturing industries..	91,450	92,685	92,734	93,370	-1.3	-0.1	-0.7	92,135	93,230	92,550	91,688	98,074
	Durable goods industries.....	77,147	78,069	78,320	79,022	-1.2	-0.3	-0.9	77,864	78,714	78,208	77,601	82,471
32	Stone, clay, and glass products...	809	804	871	984	+0.6	-7.7	-11.5	870	840	863	899	1,030
33	Primary metals	8,451	8,527	8,491	8,613	-0.9	+0.4	-1.4	8,426	8,548	8,559	8,529	10,631
34	Fabricated metal products.....	6,112	6,068	6,140	6,215	+0.7	-1.2	-1.2	6,228	6,144	6,056	5,971	7,430
35	Machinery, except electrical.....	16,292	16,712	16,473	16,701	-2.5	+1.5	-1.4	16,389	16,873	16,646	16,513	18,565
36	Electrical Machinery.....	13,290	13,282	13,347	13,462	+0.1	-0.5	-0.9	13,397	13,284	13,198	13,139	13,754
37	Transportation equipment.....	25,193	25,718	26,063	26,075	-2.0	-1.3	0.0	25,469	26,040	25,953	25,727	23,678
38	Instruments and related products..	3,992	3,926	3,911	3,987	+1.7	+0.4	-1.9	4,047	3,934	3,906	3,851	4,168
24,25, 39	All other durable goods.....	3,008	3,032	3,024	2,985	-0.8	+0.3	+1.3	3,038	3,051	3,027	2,972	3,215
	Nondurable goods industries.....	14,303	14,616	14,414	14,348	-2.1	+1.4	+0.5	14,271	14,516	14,342	14,087	15,603
20	Food and kindred products.....	1,777	1,771	1,765	1,779	+0.3	+0.3	-0.8	1,767	1,780	1,783	1,816	2,003
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S
22	Textile mill products.....	2,015	1,982	1,987	1,993	+1.7	-0.3	-0.3	2,045	2,020	2,008	1,955	2,100
26	Paper and allied products.....	974	1,010	1,005	1,005	-3.6	+0.5	0.0	990	1,003	978	957	95
28	Chemicals and allied products.....	3,260	3,260	3,158	3,185	0.0	+3.2	-0.8	3,303	3,279	3,154	3,176	3,49
29	Petroleum and coal products.....	2,223	2,236	2,261	2,230	-0.6	-1.1	+1.4	2,179	2,186	2,232	2,207	2,741
30	Rubber and plastics products.....	948	1,072	1,085	1,103	-11.6	-1.2	-1.6	952	1,083	1,125	1,108	1,224
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S
	FINISHED GOODS												
	All manufacturing industries..	81,348	82,022	81,992	83,523	-0.8	0.0	-1.8	81,642	82,920	82,371	82,074	88,89
	Durable goods industries.....	43,752	43,981	43,939	45,067	-0.5	+0.1	-2.5	44,588	44,788	43,879	43,923	48,42
32	Stone, clay, and glass products...	3,146	3,142	3,080	3,198	+0.1	+2.0	-3.7	3,281	3,290	3,074	3,068	3,39
33	Primary metals	5,629	5,503	5,418	5,600	+2.3	+1.6	-3.3	5,718	5,704	5,542	5,624	6,78
34	Fabricated metal products.....	4,405	4,378	4,413	4,581	+0.6	-0.8	-3.7	4,519	4,499	4,440	4,516	5,28
35	Machinery, except electrical.....	12,956	13,166	13,392	13,677	-1.6	-1.7	-2.1	13,161	13,280	13,265	13,400	14,23
36	Electrical Machinery.....	5,137	5,282	5,389	5,471	-2.7	-2.0	-1.5	5,235	5,278	5,286	5,279	6,08
37	Transportation equipment.....	4,581	4,664	4,496	4,623	-1.8	+3.7	-2.7	4,599	4,709	4,553	4,515	4,59
38	Instruments and related products..	2,338	2,366	2,393	2,482	-1.2	-1.1	-3.6	2,352	2,359	2,362	2,338	2,32
24,25, 39	All other durable goods.....	5,560	5,480	5,358	5,435	+1.5	+2.3	-1.4	5,723	5,669	5,357	5,183	5,71
	Nondurable goods industries.....	37,596	38,041	38,053	38,456	-1.2	0.0	-1.0	37,054	38,132	38,492	38,151	40,47
20	Food and kindred products.....	10,561	10,712	10,784	10,789	-1.4	-0.7	0.0	10,144	10,661	11,087	11,092	10,56
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S
22	Textile mill products.....	2,464	2,438	2,443	2,451	+1.1	-0.2	-0.3	2,521	2,503	2,428	2,362	2,62
26	Paper and allied products.....	3,296	3,260	3,242	3,314	+1.1	+0.6	-2.2	3,331	3,266	3,208	3,194	3,39
28	Chemicals and allied products.....	8,438	8,361	8,432	8,783	+0.9	-0.8	-4.0	8,500	8,696	8,692	8,740	9,89
29	Petroleum and coal products.....	4,457	4,968	4,660	4,569	-10.3	+6.6	+2.0	4,134	4,759	4,806	4,706	4,90
30	Rubber and plastics products.....	2,556	2,467	2,482	2,485	+3.6	-0.6	-0.1	2,715	2,588	2,513	2,427	2,93
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982	Mar. 1983[p]	Feb. 1983[r]	Jan. 1983	Dec. 1982
	All manufacturing industries	1.61	1.67	1.67	1.74	3.61	3.71	3.69	3.73
	Durable goods industries	2.15	2.24	2.25	2.41	4.44	4.58	4.56	4.62
32	Stone, clay, and glass products	1.55	1.55	1.45	1.70	0.50	0.48	0.44	0.50
33	Primary metals	2.50	2.66	2.67	2.90	2.68	2.80	2.60	2.70
34	Fabricated metal products	1.80	1.81	1.84	2.00	2.56	2.55	2.60	2.79
35	Machinery, except electrical	2.67	2.96	2.88	2.86	3.79	4.12	4.11	4.08
36	Electrical machinery	2.10	2.19	2.23	2.32	4.83	4.97	4.96	5.09
37	Transportation equipment	2.13	2.18	2.31	2.56	11.17	11.60	11.83	11.50
38	Instruments and related products	2.29	2.29	2.28	2.37	1.84	1.87	1.80	1.81
	Nondurable goods industries	1.08	1.12	1.11	1.11	0.55	0.54	0.54	0.55
20	Food and kindred products	0.83	0.85	0.87	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	3.04	3.87	4.19	3.38	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.48	1.57	1.47	1.33	1.34	1.37	1.21
26	Paper and allied products	1.31	1.32	1.29	1.35	0.51	0.50	0.51	0.56
28	Chemicals and allied products	1.28	1.32	1.36	1.38	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.63	0.73	0.64	0.58	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.62	1.61	1.52	1.67	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Mar. 1982	All Mars. 1978-1982	Mar. 1982-Feb. 1983	Year ago Mar. 1982	All Mars. 1978-1982	Mar. 1982-Feb. 1983	Year ago Mar. 1982	All Mars. 1978-1982	Mar. 1982-Feb. 1983	Year ago Mar. 1982	All Mars. 1978-1982	Mar. 1982-Feb. 1983
	All manufacturing industries.	0.0	0.2	0.4	0.1	0.4	0.3	0.1	0.2	0.2	0.1	0.0	0.1
	Durable goods industries	0.5	0.3	0.4	0.6	0.7	0.6	0.0	0.2	0.2	0.3	0.1	0.1
32	Stone, clay, and glass products..	0.9	1.1	1.4	1.1	1.3	1.3	2.4	1.8	1.6	1.4	1.2	0.7
33	Primary metals	0.2	1.0	0.4	1.3	2.4	0.9	0.4	0.7	0.3	0.1	0.2	0.3
34	Fabricated metal products	0.9	1.0	1.0	0.0	0.8	1.9	0.3	0.5	0.5	0.0	0.3	0.2
35	Machinery, except electrical	0.1	0.9	0.7	0.6	2.8	2.6	0.1	0.8	0.6	0.1	0.2	0.2
36	Electrical machinery	0.6	0.6	0.6	0.4	0.9	0.7	0.2	0.2	0.2	0.3	0.3	0.3
37	Transportation equipment	0.9	0.6	0.8	1.9	2.4	1.3	0.2	0.3	0.1	0.8	0.5	0.2
38	Instruments and related products.	2.3	0.7	1.2	1.7	1.1	1.6	0.3	0.4	0.7	0.8	0.4	0.7
	Nondurable goods industries	0.6	0.4	0.5	0.5	0.3	0.4	0.7	0.8	0.8	0.1	0.4	0.3
20	Food and kindred products	0.9	0.9	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.3	0.7
21	Tobacco products	0.0	2.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.9	0.0
22	Textile mill products	1.4	1.2	1.6	0.3	1.5	1.4	1.0	1.5	1.0	1.6	0.7	0.7
26	Paper and allied products	0.2	0.6	1.2	0.2	1.2	2.0	0.7	1.2	1.8	0.2	0.4	0.4
28	Chemicals and allied products	0.4	0.8	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.3	0.4
29	Petroleum and coal products	0.3	0.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	1.4	1.1	1.3
30	Rubber and plastics products	1.5	1.4	1.2	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.8	1.0
	Capital Goods Industries:												
	Nondefense	0.7	0.5	0.8	3.1	1.6	1.7	0.2	0.4	0.5	0.2	0.1	0.1
	Defense	1.3	2.0	0.7	0.1	6.4	3.6	0.1	0.4	0.2	0.5	0.4	0.4

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

FIRST-CLASS MAIL
POSTAGE & FEES PAID
CENSUS
PERMIT No. G–58

C 3.158:
M 3-1 (83)-4

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS

U.S. Department of Commerce
BUREAU OF THE CENSUS

APRIL 1983
M3-1(83)-4
FOR WIRE TRANSMISSION 3:00 P.M. E.D.T. Wednesday, June 1, 1983

The January through April data presented in this report are consistent with the revised data for 1977-1982 released May 19, 1983, by the Department of Commerce, Bureau of the Census. These revisions, published in "Manufacturers' Shipments, Inventories, and Orders: 1977-1982" (M3-1.12), reflect: benchmarking of the shipments and inventory data to the 1981 Annual Survey of Manufactures; benchmarking defense shipments to the series MA-175, "Shipments to Federal Government Agencies," revisions to unfilled orders levels; recalculation of new orders estimates which are derived from the estimates of unfilled orders and shipments; and updating of seasonal adjustment factors.

New orders for manufactured goods in April increased $3.5 billion or 2.1 percent from March to $166.1 billion, the Department of Commerce, Bureau of the Census reported today. Shipments of manufactured goods in April increased $1.6 billion or 1.0 percent to $163.4 billion. Incoming orders have now exceeded shipments four of the last five months resulting in a slightly upward trend in the backlog of orders held by manufactures which had been generally declining since July 1981.

The book value of manufacturers' inventories in April increased for the first time since November 1981. The April estimate of $257.6 billion was up $0.3 billion or 0.1 percent from March. Despite the increase in inventories, the inventory to shipments ratio for April was 1.58, the lowest since 1.56 in July 1979. The ratio has been steadily declining since November 1982 when it was 1.74.

The new orders increase for April was the fifth in the last six months. New orders for durable goods were up $3.0 billion or 3.8 percent to $83.0 billion. This revises upward the earlier reported 2.4 percent increase. Over half of the revision was caused by an increase in the estimate for defense orders.

Within the major industry categories, new orders for machinery and transportation equipment were up in April. The increase in machinery orders of $1.1 billion or 4.1 percent to $30.0 billion reflected increases in both the electrical and nonelectrical categories. The nonelectrical increase was widespread, while the electrical resulted mostly from an increase in defense communication equipment. The increase in the transportation equipment orders of $2.0 billion or 11.2 percent to $20.0 billion reflected gains in most of the specific categories. New orders for primary metals in April were down $0.3 billion or 3.4 percent from March to $8.9 billion.

New orders for nondefense capital goods in April were up $2.3 billion or 11.7 percent to $22.4 billion. This is the largest one month increase since February 1979 when orders increased 14.3 percent and were valued at $24.3 billion. The April increase in new orders for nondefense capital goods was mostly attributable to the commercial aircraft industry, where an increase brought orders back approximately to the January level of $2.5 billion. New orders for defense capital goods in April increased $0.4 billion or 6.4 percent to $7.0 billion.

The increase in shipments of manufactured goods in April of 1.0 percent was reflected in both the durable and nondurable goods industries, although the patterns of change within the sectors were quite different. Within the durable goods sector, which in total was up $0.8 billion or 1.0 percent to $80.4 billion, most of the major industry categories increased.

Within the nondurable goods sector, shipments in total were up $0.8 billion or 1.0 percent to $83.0 billion. The petroleum products industry alone reported a $0.9 billion or 6.0 percent increase to $16.0 billion, following a $1.1 billion or 8.0 percent increase in March. Petroleum products shipments had declined from a high last July of $18.0 billion to $14.0 billion in February. Shipments by the other nondurable goods industries showed offsetting increases and decreases.

The value of unfilled orders held by manufacturers at the end of April was estimated at $308.8 billion, up $2.7 billion or 0.9 percent. Excluding the orders backlog for defense capital goods, the durable goods backlog was up 0.5 percent.

The backlog of orders for nondefense capital goods at $119.0 billion for April was up $0.3 billion or 0.3 percent from March. An increase in the computing equipment industry was partially offset by declines in most of the other categories. The backlog of orders for defense capital goods increased $1.7 billion or 1.7 percent to $104.4 billion. This is a continuation of the upward trend which began in January 1980, when the defense backlog was estimated at $49.9 billion.

The increase in the value of manufacturers' inventories in April of $0.3 billion was concentrated in the durable goods sector. The largest increases were in steel, motor vehicles and parts, and communication equipment. The nondurable goods industries showed a decline of $0.2 billion or 0.2 percent in their inventory to a level of $87.7 billion. Inventories by stage of fabrication in April showed increases in raw materials and supplies of 0.3 percent, and work in process of 0.2 percent, while finished goods declined 0.2 percent. A decline in finished goods for the nondurable goods industries of 1.2 percent was partially offset by an increase in finished goods in the durable goods sector of 0.7 percent.

The advance report on durable goods for May is scheduled for release on June 21, 1983, and the full report is scheduled for release on June 30, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1983p	Mar. 1983r	Feb. 1983r	Jan. 1983r	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.r	Apr. 1983p	Mar. 1983r	Feb. 1983r	Jan. 1983r	1983p	1992r
	All manufacturing industries	163,371	161,803	158,081	158,239	+1.0	+2.4	-0.1	164,660	170,007	159,488	146,613	640,768	637,980
	Manufacturing industries with unfilled orders	83,686	83,196	80,572	81,423	+0.6	+3.3	-1.0	84,301	88,105	81,501	74,244	328,151	332,767
	Durable goods industries	80,353	79,595	77,769	77,744	+1.0	+2.3	0.0	82,181	85,247	78,272	69,982	315,682	312,388
	With unfilled orders	65,839	65,542	63,372	63,940	+0.5	+3.4	-0.9	66,491	69,873	64,101	57,824	258,289	265,303
32	Stone, clay, and glass products	3,889	3,822	3,799	4,016	+1.8	+0.6	-5.4	3,966	3,887	3,549	3,368	14,770	14,017
322	Glass containers	416	400	393	416	+4.0	+1.8	-5.5	418	434	375	377	1,604	1,575
33	Primary metals	8,887	8,925	8,230	8,240	-0.4	+8.4	-0.1	9,373	9,482	8,671	8,066	35,592	40,847
331	Blast furnaces, steel mills	3,601	3,594	3,241	3,249	+0.2	+10.9	-0.2	3,806	3,896	3,429	3,220	14,351	19,470
333-9	Nonferrous and other primary metals	4,340	4,515	4,191	4,180	-3.9	+7.7	+0.3	4,557	4,727	4,422	4,080	17,786	17,606
34	Fabricated metal products	9,704	9,515	9,373	9,358	+2.0	+1.5	+0.2	9,915	10,074	9,374	8,469	37,832	38,225
341	Metal cans, barrels, and drums	968	868	921	916	+11.5	-5.8	+0.5	959	893	901	785	3,538	3,773
35	Machinery, except electrical	14,058	14,191	13,097	13,701	-0.9	+8.4	-4.4	13,974	15,424	13,413	12,186	54,997	63,841
351	Engines and turbines	963	929	957	908	+3.7	-2.9	+5.4	978	1,073	1,002	876	3,929	4,941
352	Farm machinery and equipment	908	864	791	879	+5.1	+9.2	-10.0	1,012	1,037	836	830	3,715	4,389
353	Construction, mining, and material handling equipment	2,097	2,062	1,890	2,055	+1.7	+9.1	-8.0	2,166	2,163	2,030	1,951	8,310	12,699
354	Metalworking machinery	635	588	605	723	+8.0	-2.8	-16.3	614	670	645	638	2,567	3,673
356	General industrial machinery	1,105	1,137	1,165	1,261	-2.8	-2.4	-7.6	1,102	1,191	1,194	1,124	4,611	5,477
357	Office and computing machines	3,757	4,142	3,405	3,395	-9.3	+21.6	+0.3	3,374	4,391	3,218	2,611	13,594	12,739
36	Electrical machinery	12,605	12,364	11,977	11,987	+1.9	+3.2	-0.1	12,545	12,967	12,214	11,042	48,768	46,717
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,764	1,790	1,723	1,750	-1.5	+3.9	-1.5	1,775	1,909	1,806	1,647	7,137	7,650
363	Household appliances	1,195	1,163	1,142	1,261	+2.8	+1.8	-9.4	1,192	1,231	1,154	1,085	4,662	3,861
365	Radio and TV	698	676	649	696	+3.3	+4.2	-6.8	590	652	648	571	2,461	2,509
366	Communication equipment	3,974	3,842	3,743	3,733	+3.4	+2.6	+0.3	4,076	4,124	3,761	3,406	15,367	14,472
367	Electronic components	2,778	2,856	2,686	2,609	-2.7	+6.3	+3.0	2,856	2,944	2,780	2,494	11,074	10,481
37	Transportation equipment	18,740	18,530	19,135	17,998	+1.1	-3.2	+6.3	19,864	20,529	19,113	16,123	75,629	63,301
371	Motor vehicles and parts	11,302	11,037	11,666	10,732	+2.4	-5.4	+8.7	12,309	12,346	11,737	9,826	46,218	36,555
372,6	Aircraft, missiles, and parts	5,908	5,955	5,805	5,802	-0.8	+2.6	+0.1	5,934	6,489	5,697	4,979	23,099	19,746
3731	Shipbuilding and military tank vehicles	861	873	987	848	-1.4	-11.6	+16.4	839	907	964	754	3,464	3,889
38	Instruments and related products	3,928	3,946	3,954	4,101	-0.5	-0.2	-3.6	3,850	4,204	3,900	3,673	15,627	15,836
381-4	Scientific and engineering instruments	2,296	2,312	2,371	2,366	-0.7	-2.5	+0.2	2,296	2,504	2,355	2,217	9,372	9,295
386	Photographic goods	1,424	1,438	1,382	1,543	-1.0	+4.1	-10.4	1,352	1,490	1,347	1,292	5,481	5,799
24,25, 39	All other durable goods	8,542	8,302	8,204	8,343	+2.9	+1.2	-1.7	8,694	8,680	8,038	7,055	32,467	29,604
	Nondurable goods industries	83,018	82,208	80,312	80,495	+1.0	+2.4	-0.2	82,479	84,760	81,216	76,631	325,086	325,592
	With unfilled orders	17,847	17,654	17,200	17,483	+1.1	+2.6	-1.6	17,810	18,232	17,400	16,420	69,862	67,464
20	Food and kindred products	23,424	23,778	23,583	23,018	-1.5	+0.8	+2.5	22,807	24,454	23,596	21,404	92,261	90,165
201	Meat products	5,738	5,711	5,523	5,477	+0.5	+3.4	+0.8	5,469	5,562	5,474	5,330	21,835	20,899
208	Beverages	3,673	3,497	3,635	3,379	+5.0	-3.8	+7.6	3,739	3,423	3,239	2,831	13,232	12,884
207	Fats and oils	1,214	1,212	1,195	1,379	+0.2	+1.4	-13.3	1,184	1,303	1,268	1,368	5,123	5,491
203-6,9	All other foods	9,754	10,176	10,066	9,737	-4.1	+1.1	+3.4	9,374	10,959	10,448	8,988	39,769	38,524
21	Tobacco products	1,267	1,572	1,191	1,102	-19.4	+32.0	+8.1	1,268	1,476	1,121	1,046	4,911	4,386
22	Textile mill products	4,184	4,173	3,936	3,823	+0.3	+6.0	+3.0	4,156	4,557	3,949	3,445	16,107	15,596
26	Paper and allied products	7,071	6,695	6,614	6,768	+5.6	+1.2	-2.3	7,148	7,058	6,813	6,506	27,525	26,935
261-3,6	Pulp, paper etc.	2,949	2,812	2,840	2,860	+4.9	-1.0	-0.7	3,010	3,001	2,909	2,699	11,619	11,663
265	Paperboard containers	1,533	1,497	1,458	1,562	+2.4	+2.7	-6.7	1,564	1,580	1,511	1,470	6,125	6,175
264	All other paper products	2,589	2,386	2,316	2,346	+8.5	+3.0	-1.3	2,574	2,477	2,393	2,337	9,781	9,097
28	Chemicals and allied products	14,611	14,716	14,709	14,287	-0.7	0.0	+3.0	15,321	16,109	14,974	13,851	60,255	59,632
281,6	Industrial chemicals, except pigments	4,538	4,412	4,389	4,320	+2.9	+0.5	+1.6	4,737	4,995	4,599	4,173	18,504	19,781
283,4	Drugs, soaps, and toiletries	4,025	4,062	4,192	4,141	-0.9	-3.1	+1.2	3,881	4,326	4,192	3,901	16,300	15,974
29	Petroleum and coal products	15,978	15,068	13,953	14,804	+6.0	+8.0	-5.7	15,530	14,781	14,206	15,241	59,758	67,033
30	Rubber and plastics products	4,154	4,017	3,967	4,183	+3.4	+1.3	-5.2	4,304	4,148	4,130	3,901	16,483	16,818
23,27, 31	All other nondurable goods	12,329	12,189	12,359	12,510	+1.1	-1.4	-1.2	11,945	12,177	12,427	11,237	47,786	45,027
	Market categories:													
	Home goods and apparel	11,674	11,208	11,415	11,276	+4.2	-1.8	+1.2	11,180	11,709	11,570	9,643	44,102	42,320
	Consumer staples	31,217	32,055	31,501	30,811	-2.6	+1.8	+2.2	30,602	32,684	31,305	28,498	123,089	118,740
	Equipment and defense products, except automotive	23,911	23,797	23,061	23,426	+0.5	+3.2	-1.6	23,801	25,718	23,057	20,667	93,243	97,822
	Automotive equipment	13,097	12,902	13,474	12,501	+1.5	-4.2	+7.8	14,314	14,327	13,460	11,335	53,436	42,812
	Construction materials, supplies and intermediate products	12,354	12,291	12,026	12,433	+0.5	+2.2	-3.3	12,693	12,458	11,360	10,464	46,975	42,713
	Other materials, supplies, and intermediate products	71,118	69,550	66,604	67,792	+2.3	+4.4	-1.8	72,070	73,111	68,736	66,006	279,923	293,573
	Supplementary series:[2]													
	Capital goods industries	27,308	27,153	26,017	26,339	+0.6	+4.4	-1.2	26,989	29,209	26,234	23,414	105,846	110,838
	Nondefense	22,059	22,037	20,762	21,196	+0.1	+6.1	-2.0	21,772	23,727	21,021	18,840	85,360	93,898
	Defense	5,249	5,116	5,255	5,143	+2.6	-2.6	+2.2	5,217	5,482	5,213	4,574	20,486	16,940
	Household durable goods industries	5,145	4,971	4,910	4,976	+3.5	+1.2	-1.3	5,028	5,296	4,961	4,242	19,527	18,95

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.[r]	Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	1983[p]	1982[r]
	All manufacturing industries	166,064	162,587	157,757	162,871	+2.1	+3.1	-3.1	166,914	172,686	160,300	154,561	654,461	641,390
	Manufacturing industries with unfilled orders	86,379	83,980	80,248	86,055	+2.9	+4.7	-6.7	86,555	90,784	82,313	82,192	341,844	336,177
	Durable goods industries	82,980	79,951	77,449	82,355	+3.8	+3.2	-6.0	84,260	87,411	79,059	77,665	328,395	316,051
	With unfilled orders	68,466	65,898	63,052	68,551	+3.9	+4.5	-8.0	68,570	72,037	64,888	65,507	271,002	268,966
32	Stone, clay, and glass products	3,881	3,884	3,870	3,993	-0.1	+0.4	-3.1	3,987	3,938	3,649	3,417	14,991	13,710
33	Primary metals	8,873	9,183	9,911	8,708	-3.4	-7.3	+13.8	9,061	9,981	10,984	8,819	38,845	38,011
331	Blast furnaces, steel mills	3,504	3,777	4,277	3,526	-7.2	-11.7	+21.3	3,610	4,222	4,932	3,526	16,290	17,431
333-9	Nonferrous and other primary metals	4,421	4,553	4,839	4,347	-2.9	-5.9	+11.3	4,473	4,865	5,205	4,483	19,026	17,254
34	Fabricated metal products	9,461	9,715	9,024	9,229	-2.6	+7.7	-2.2	9,642	10,555	9,138	8,487	37,822	37,295
35	Machinery, except electrical	14,773	14,330	12,252	12,708	+3.1	+17.0	-3.6	14,532	15,396	12,729	12,001	54,658	59,794
351	Engines and turbines	886	838	983	700	+5.7	-14.8	+40.4	876	998	973	784	3,631	4,123
353	Construction, mining, and material handling equipment	2,110	1,971	1,739	1,968	+7.1	+13.3	-11.6	2,163	2,075	2,002	1,852	8,092	10,563
354	Metalworking machinery	617	531	577	549	+16.2	-8.0	+5.1	608	603	608	498	2,317	2,421
356	General industrial machinery	1,107	1,070	1,209	1,073	+3.5	-11.5	+12.7	1,086	1,132	1,248	1,079	4,545	5,212
357	Office and computing machines	4,495	4,318	2,632	3,290	+4.1	+64.1	-20.0	4,119	4,447	2,469	2,795	13,830	13,837
36	Electrical machinery	13,182	12,526	12,398	12,213	+5.2	+1.0	+1.5	13,249	13,447	13,226	12,114	52,036	50,999
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,772	1,718	1,804	1,514	+3.1	-4.8	+19.2	1,827	1,869	1,943	1,525	7,164	7,506
363	Household appliances	1,197	1,204	1,126	1,296	-0.6	+6.9	-13.1	1,196	1,277	1,158	1,152	4,783	3,900
365	Radio and TV	628	540	730	699	+16.3	-26.0	+4.4	489	499	733	547	2,268	2,349
366	Communication equipment	4,409	3,955	4,031	3,775	+11.5	-1.9	+6.8	4,388	4,467	4,310	4,044	17,209	18,285
367	Electronic components	3,023	3,084	2,628	2,966	-2.0	+17.4	-11.4	3,319	3,226	2,971	2,986	12,502	11,151
37	Transportation equipment	19,958	17,953	17,708	23,105	+11.2	+1.4	-23.4	20,715	20,861	17,167	21,830	80,573	69,925
372,6	Aircraft, missiles, and parts	6,870	5,946	5,206	9,616	+15.5	+14.2	-45.9	6,410	7,247	4,675	9,161	27,493	26,384
3731	Shipbuilding and military tank vehicles	835	346	329	1,978	+141.3	+5.2	-83.4	1,105	560	173	1,997	3,835	4,759
38	Instruments and related products	4,076	3,874	4,023	4,160	+5.2	-3.7	-3.3	3,969	4,221	4,015	3,805	16,010	16,252
24,25, 39	All other durable goods	8,776	8,486	8,263	8,239	+3.4	+2.7	+0.3	9,105	9,012	8,151	7,192	33,460	30,065
	Nondurable goods industries	83,084	82,636	80,308	80,516	+0.5	+2.9	-0.3	82,654	85,275	81,241	76,896	326,066	325,339
	With unfilled orders	17,913	18,082	17,196	17,504	-0.9	+5.2	-1.8	17,985	18,747	17,425	16,685	70,842	67,211
	Market categories:													
	Home goods and apparel	11,643	11,101	11,557	11,375	+4.9	-3.9	+1.6	11,372	11,763	11,785	9,860	44,780	42,435
	Consumer staples	31,143	32,036	31,487	30,789	-2.8	+1.7	+2.3	30,500	32,648	31,262	28,592	123,002	118,756
	Equipment and defense products, except automotive	26,521	22,261	21,598	26,130	+19.1	+3.1	-17.3	25,626	25,443	21,276	25,631	97,976	105,597
	Automotive equipment	13,374	12,806	13,331	12,691	+4.4	-3.9	+5.0	14,418	14,191	13,356	11,631	53,596	42,059
	Construction materials, supplies and intermediate products	12,212	12,815	11,798	12,371	-4.7	+8.6	-4.6	12,623	13,108	11,254	10,541	47,526	42,242
	Other materials, supplies, and intermediate products	71,171	71,568	67,986	69,515	-0.6	+5.3	-2.2	72,375	75,533	71,367	68,306	287,581	290,301
	Supplementary series:[2]													
	Capital goods industries	29,361	26,601	24,494	30,075	+10.4	+8.6	-18.6	28,571	29,914	24,540	29,179	112,204	118,178
	Nondefense	22,370	20,032	19,175	20,507	+11.7	+4.5	-6.5	21,861	22,414	19,018	19,726	83,019	90,538
	Defense	6,991	6,569	5,319	9,568	+6.4	+23.5	-44.4	6,710	7,500	5,522	9,453	29,185	27,640
	Household durable goods industries	5,104	4,940	5,007	5,038	+3.3	-1.3	-0.6	5,171	5,382	5,164	4,435	20,152	19,125

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.[r]	Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Apr. 1982[r]
	All manufacturing industries..	308,752	306,053	305,268	305,599	+0.9	+0.3	-0.1	313,437	311,178	308,490	307,683	324,812
	Durable goods industries.....	299,039	296,407	296,049	296,374	+0.9	+0.1	-0.1	303,481	301,397	299,227	298,447	315,298
32	Stone, clay, and glass products...	1,842	1,848	1,787	1,717	-0.3	+3.4	+4.1	1,878	1,855	1,804	1,704	1,942
33	Primary metals.....	22,555	22,567	22,308	20,627	-0.1	+1.2	+8.1	23,546	23,857	23,357	21,043	23,609
331	Blast furnaces, steel mills.....	13,291	13,388	13,204	12,168	-0.7	+1.4	+8.5	14,009	14,205	13,878	12,375	13,945
333-9	Nonferrous and other primary metals.....	7,064	6,982	6,944	6,296	+1.2	+0.5	+10.3	7,304	7,387	7,250	6,466	6,962
34	Fabricated metal products.....	21,010	21,255	21,052	21,403	-1.2	+1.0	-1.6	21,230	21,503	21,020	21,260	27,495
35	Machinery, except electrical.....	54,715	53,999	53,859	54,703	+1.3	+0.3	-1.5	55,192	54,633	54,659	55,345	69,181
351	Engines and turbines.....	14,730	14,806	14,897	14,871	-0.5	-0.6	+0.2	14,761	14,863	14,939	14,967	16,932
353	Construction, mining, and material handling equipment....	5,304	5,291	5,381	5,533	+0.2	-1.7	-2.7	5,415	5,418	5,505	5,533	9,283
354	Metalworking machinery.....	2,147	2,164	2,221	2,249	-0.8	-2.6	-1.2	2,145	2,151	2,219	2,256	3,706
356	General industrial machinery....	4,599	4,596	4,663	4,619	+0.1	-1.4	+1.0	4,626	4,642	4,700	4,647	6,039
357	Office and computing machines...	18,215	17,477	17,301	18,074	+4.2	+1.0	-4.3	18,379	17,634	17,578	18,327	20,994
36	Electrical machinery.....	61,983	61,408	61,246	60,828	+0.9	+0.3	+0.7	62,880	62,173	61,692	60,681	57,368
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,700	6,693	6,765	6,684	+0.1	-1.1	+1.2	6,789	6,737	6,777	6,639	7,588
363	Household appliances.....	416	414	372	388	+0.5	+11.3	-4.1	428	423	377	374	312
365	Radio and TV.....	285	355	491	411	-19.7	-27.7	+19.5	214	314	467	382	274
366	Communication equipment.....	39,786	39,351	39,239	38,952	+1.1	+0.3	+0.7	40,349	40,037	39,694	39,145	34,883
367	Electronic components.....	13,547	13,302	13,074	13,133	+1.8	+1.7	-0.4	13,846	13,382	13,100	12,910	12,986
37	Transportation equipment.....	125,217	123,997	124,576	126,003	+1.0	-0.5	-1.1	126,792	125,940	125,608	127,555	122,908
372,6	Aircraft, missiles, and parts...	96,835	95,873	95,883	96,483	+1.0	0.0	-0.6	97,746	97,270	96,512	97,533	95,882
3731	Shipbuilding and military tank vehicles.....	22,453	22,479	23,006	23,664	-0.1	-2.3	-2.8	23,116	22,850	23,196	23,988	20,633
38	Instruments and related products..	7,286	7,137	7,209	7,140	+2.1	-1.0	+1.0	7,356	7,240	7,223	7,108	7,587
24,25, 39	All other durable goods.....	4,431	4,196	4,012	3,953	+5.6	+4.6	+1.5	4,607	4,196	3,864	3,751	4,786
	Nondurable goods industries.....	9,713	9,646	9,219	9,225	+0.7	+4.6	-0.1	9,956	9,781	9,263	9,236	9,514
	Market categories:												
	Home goods and apparel.....	3,561	3,589	3,695	3,557	-0.8	-2.9	+3.9	3,684	3,490	3,434	3,220	3,813
	Consumer staples.....	685	759	778	793	-9.7	-2.4	-1.9	678	780	816	859	774
	Equipment and defense products, except automotive.....	185,341	182,729	184,266	185,729	+1.4	-0.8	-0.8	187,774	185,949	186,222	188,005	193,240
	Automotive equipment.....	5,512	5,234	5,330	5,472	+5.3	-1.8	-2.6	5,512	5,407	5,543	5,647	5,711
	Construction materials, supplies and intermediate products.....	12,861	13,003	12,478	12,707	-1.1	+4.2	-1.8	12,999	13,068	12,418	12,525	16,254
	Other materials, supplies, and intermediate products	100,792	100,739	98,721	97,341	+0.1	+2.0	+1.4	102,790	102,484	100,057	97,427	105,020
	Supplementary series:[2]												
	Capital goods industries.....	223,343	221,290	221,843	223,367	+0.9	-0.2	-0.7	226,077	224,494	223,785	225,482	231,460
	Nondefense.....	118,969	118,658	120,664	122,251	+0.3	-1.7	-1.3	119,943	119,853	121,162	123,168	142,058
	Defense.....	104,374	102,632	101,179	101,116	+1.7	+1.4	+0.1	106,134	104,641	102,623	102,314	89,402
	Household durable goods industries.....	3,120	3,159	3,189	3,095	-1.2	-0.9	+3.0	3,223	3,079	2,992	2,791	3,360

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Percent change: Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.[r]	Not seasonally adjusted[1]: End of month: Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Apr. 1982[r]
	All manufacturing industries..	257,576	257,304	260,856	262,117	+0.1	-1.4	-0.5	260,358	259,430	262,695	262,428	281,485
	Manufacturing industries with unfilled orders.....	176,313	175,876	178,178	179,467	+0.2	-1.3	-0.7	178,356	177,323	179,044	178,644	192,881
	Durable goods industries.....	169,855	169,377	171,572	172,506	+0.3	-1.3	-0.5	171,853	171,120	173,009	172,243	186,215
	With unfilled orders.....	155,855	155,516	157,501	158,565	+0.2	-1.3	-0.7	157,476	156,783	158,475	158,163	171,033
32	Stone, clay, and glass products...	5,786	5,786	5,751	5,724	0.0	+0.6	+0.5	5,979	5,963	5,937	5,722	6,414
322	Glass containers.....	651	653	652	651	-0.3	+0.2	+0.2	666	652	657	631	679
33	Primary metals.....	20,561	20,174	20,592	20,674	+1.9	-2.0	-0.4	20,676	20,298	20,914	21,062	24,795
331	Blast furnaces, steel mills.....	10,050	9,770	9,945	10,062	+2.9	-1.8	-1.2	9,889	9,603	10,094	10,343	12,690
333-9	Nonferrous and other primary metals.....	9,333	9,269	9,520	9,500	+0.7	-2.6	+0.2	9,557	9,520	9,672	9,605	10,763
34	Fabricated metal products.....	17,233	17,121	17,310	17,444	+0.7	-1.1	-0.8	17,639	17,524	17,570	17,428	20,272
341	Metal cans, barrels, and drums..	1,967	1,872	1,871	1,846	+5.1	+0.1	+1.4	2,227	2,069	1,996	1,869	1,958
35	Machinery, except electrical.....	38,248	38,636	39,234	39,539	-1.0	-1.5	-0.8	38,663	38,806	39,427	39,520	43,975
351	Engines and turbines.....	2,178	2,211	2,303	2,349	-1.5	-4.0	-2.0	2,212	2,221	2,332	2,358	2,775
352	Farm machinery and equipment....	1,927	1,882	1,976	1,992	+2.4	-4.8	-0.8	2,012	1,986	2,069	2,010	2,671
353	Construction, mining, and material handling equipment....	8,114	8,347	8,602	8,925	-2.8	-3.0	-3.6	8,220	8,430	8,628	8,961	10,579
354	Metalworking machinery.....	2,254	2,298	2,296	2,331	-1.9	+0.1	-1.5	2,272	2,279	2,305	2,324	2,848
356	General industrial machinery....	3,937	3,952	3,957	3,968	-0.4	-0.1	-0.3	3,972	3,984	4,001	4,012	4,179
357	Office and computing machines...	9,800	9,805	9,809	9,615	-0.1	0.0	+2.0	9,751	9,668	9,740	9,519	9,411
36	Electrical machinery.....	26,229	26,085	26,287	26,589	+0.6	-0.8	-1.1	26,672	26,292	26,226	26,221	28,273
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,957	4,006	4,046	4,084	-1.2	-1.0	-0.9	4,012	3,985	4,030	4,025	4,577
363	Household appliances.....	1,873	1,833	1,845	1,829	+2.2	-0.7	+0.9	1,981	1,879	1,856	1,800	2,018
365	Radio and TV.....	992	974	993	1,026	+1.8	-1.9	-3.2	1,001	952	969	990	1,352
366	Communication equipment.....	10,153	10,051	10,044	10,088	+1.0	+0.1	-0.4	10,280	10,188	10,054	10,024	10,253
367	Electronic components.....	5,300	5,356	5,426	5,591	-1.0	-1.3	-3.0	5,353	5,388	5,404	5,490	5,699
37	Transportation equipment.....	39,364	39,150	39,771	39,917	+0.5	-1.6	-0.4	39,506	39,554	40,167	39,737	38,347
371	Motor vehicles and parts.....	8,385	8,144	8,175	8,063	+3.0	-0.4	+1.4	8,345	8,239	8,338	8,179	8,509
372,6	Aircraft, missiles, and parts...	28,071	28,053	28,458	28,632	+0.1	-1.4	-0.6	28,233	28,325	28,633	28,315	26,283
3731	Shipbuilding and military tank vehicles.....	1,637	1,594	1,676	1,684	+2.7	-4.9	-0.5	1,641	1,590	1,663	1,645	1,895
38	Instruments and related products..	8,899	8,830	8,954	9,047	+0.8	-1.4	-1.0	9,061	8,914	8,943	8,990	9,782
381-4	Scientific and engineering instruments.....	6,479	6,419	6,432	6,464	+0.9	-0.2	-0.5	6,557	6,464	6,432	6,445	6,736
386	Photographic goods.....	1,885	1,907	2,014	2,045	-1.2	-5.3	-1.5	1,959	1,936	2,002	2,013	2,430
24,25, 39	All other durable goods.....	13,535	13,595	13,673	13,572	-0.4	-0.6	+0.7	13,657	13,769	13,825	13,563	14,357
	Nondurable goods industries.....	87,721	87,927	89,284	89,611	-0.2	-1.5	-0.4	88,505	88,010	89,686	90,185	95,270
	With unfilled orders.....	20,458	20,360	20,677	20,902	+0.5	-1.5	-1.1	20,880	20,540	20,569	20,481	21,848
20	Food and kindred products.....	20,443	20,654	20,733	20,855	-1.0	-0.4	-0.6	19,963	20,352	20,899	21,446	20,814
201	Meat products.....	1,973	2,027	2,065	2,078	-2.7	-1.8	-0.6	2,064	2,053	2,108	2,084	2,263
208	Beverages.....	3,608	3,583	3,619	3,552	+0.7	-1.0	+1.9	3,680	3,694	3,717	3,638	3,740
207	Fats and oils.....	1,373	1,246	1,325	1,238	+10.2	-6.0	+7.0	1,379	1,321	1,441	1,387	1,406
203-6,9	All other foods.....	11,796	12,097	11,993	12,281	-2.5	+0.9	-2.3	11,123	11,613	11,945	12,650	11,640
21	Tobacco products.....	4,707	4,596	4,549	4,503	+2.4	+1.0	+1.0	4,754	4,762	4,817	4,854	4,768
22	Textile mill products.....	6,197	6,180	6,127	6,195	+0.3	+0.9	-1.1	6,381	6,038	6,281	6,228	6,655
26	Paper and allied products.....	8,359	8,370	8,483	8,534	-0.1	-1.3	-0.6	8,566	8,459	8,438	8,398	8,862
261-3,6	Pulp, paper etc.	3,298	3,278	3,358	3,391	+0.6	-2.4	-1.0	3,344	3,307	3,337	3,341	3,365
265	Paperboard containers.....	2,168	2,162	2,179	2,211	+0.3	-0.8	-1.4	2,220	2,173	2,157	2,184	2,312
264	All other paper products.....	2,893	2,930	2,946	2,932	-1.3	-0.5	+0.5	3,002	2,979	2,944	2,873	3,185
28	Chemicals and allied products.....	19,566	19,364	19,434	19,503	+1.0	-0.4	-0.4	19,930	19,662	19,833	19,781	22,089
281,6	Industrial chemicals, except pigments	5,980	5,907	5,927	6,048	+1.2	-0.3	-2.0	6,064	5,925	6,021	6,163	7,115
283,4	Drugs, soaps, and toiletries ...	6,187	6,198	6,273	6,227	-0.2	-1.2	+0.7	6,286	6,192	6,229	6,159	6,717
29	Petroleum and coal products	8,530	8,855	9,782	9,685	-3.7	-9.5	+1.0	8,487	8,753	9,491	9,548	9,702
30	Rubber and plastics products.....	5,659	5,629	5,670	5,666	+0.5	-0.7	+0.1	5,923	5,789	5,729	5,737	6,636
23,27, 31	All other nondurable goods.....	14,260	14,279	14,506	14,670	-0.1	-1.6	-1.1	14,501	14,195	14,198	14,193	15,744
	Market categories:												
	Home goods and apparel.....	19,758	19,737	19,889	20,091	+0.1	-0.8	-1.0	20,146	19,794	19,793	19,756	21,892
	Consumer staples.....	32,938	33,192	33,307	33,452	-0.8	-0.3	-0.4	32,669	33,025	33,524	34,067	34,195
	Equipment and defense products, except automotive.....	73,774	73,963	74,873	75,573	-0.3	-1.2	-0.9	74,465	74,573	75,225	75,246	78,442
	Automotive equipment.....	10,325	10,123	10,260	10,207	+2.0	-1.3	+0.5	10,358	10,330	10,526	10,390	10,876
	Construction materials, supplies and intermediate products.....	18,640	18,607	18,567	18,459	+0.2	+0.2	+0.6	19,028	19,102	18,984	18,474	20,704
	Other materials, supplies, and intermediate products	102,141	101,682	103,960	104,335	+0.5	-2.2	-0.4	103,692	102,606	104,643	104,495	115,376
	Supplementary series:[2]												
	Capital goods industries.....	83,517	83,740	84,908	85,473	-0.3	-1.4	-0.7	84,309	84,263	85,150	84,896	88,401
	Nondefense.....	66,622	66,916	68,407	68,935	-0.4	-2.2	-0.8	67,327	67,290	68,700	68,636	74,116
	Defense.....	16,895	16,824	16,501	16,538	+0.4	+2.0	-0.2	16,982	16,973	16,450	16,260	14,285
	Household durable goods industries.....	9,713	9,666	9,802	9,908	+0.5	-1.4	-1.1	9,894	9,737	9,821	9,769	10,779

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.[r]	Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Apr. 1982[r]
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,065	85,010	86,667	86,813	+0.1	-1.9	-0.2	85,709	85,871	86,730	87,481	94,471
	Durable goods industries.....	50,151	50,188	51,410	51,453	-0.1	-2.4	-0.1	50,200	50,446	51,181	51,641	56,545
32	Stone, clay, and glass products...	1,948	2,073	1,964	1,919	-6.0	+5.5	+2.3	1,954	2,079	1,982	1,961	2,213
33	Primary metals	7,155	6,910	7,405	7,601	+3.5	-6.7	-2.6	6,973	6,840	7,495	7,800	8,715
34	Fabricated metal products.....	6,634	6,373	6,745	6,766	+4.1	-5.5	-0.3	6,728	6,519	6,763	6,784	7,494
35	Machinery, except electrical.....	10,853	10,440	11,008	11,107	+4.0	-5.2	-0.9	10,920	10,439	11,002	11,138	12,289
36	Electrical Machinery.....	7,133	7,090	7,747	7,399	+0.6	-8.5	+4.7	7,248	7,090	7,284	7,363	8,225
37	Transportation equipment.....	9,007	9,893	8,909	8,883	-9.0	+11.0	+0.3	9,050	10,031	9,017	8,816	9,154
38	Instruments and related products..	2,569	2,406	2,636	2,708	+6.8	-8.7	-2.7	2,577	2,430	2,637	2,709	3,101
24,25, 39	All other durable goods.....	4,852	5,003	4,996	5,070	-3.0	+0.1	-1.5	4,750	5,018	5,001	5,070	5,354
	Nondurable goods industries.....	34,914	34,822	35,257	35,360	+0.3	-1.2	-0.3	35,509	35,425	35,549	35,840	37,926
20	Food and kindred products.....	7,713	7,199	7,621	7,592	+7.1	-5.5	+0.4	7,741	7,338	7,818	7,914	7,835
21	Tobacco products.....	4,147	4,173	4,033	3,991	-0.6	+3.5	+1.1	4,220	4,369	4,314	4,384	4,318
22	Textile mill products.....	1,818	1,809	1,811	1,851	+0.5	-0.1	-2.2	1,903	1,896	1,856	1,887	2,018
26	Paper and allied products.....	4,165	4,380	4,288	4,349	-4.9	+2.1	-1.4	4,208	4,342	4,225	4,269	4,487
28	Chemicals and allied products.....	7,346	7,440	7,428	7,513	-1.3	+0.2	-1.1	7,523	7,591	7,466	7,541	8,192
29	Petroleum and coal products.....	2,359	2,316	2,621	2,607	+1.9	-11.6	+0.5	2,424	2,326	2,522	2,487	2,690
30	Rubber and plastics products.....	1,967	1,897	1,942	1,896	+3.7	-2.3	+2.4	1,997	1,891	1,896	1,941	2,212
23,27, 31	All other nondurable goods.....	5,399	5,608	5,513	5,561	-3.7	+1.7	-0.9	5,493	5,672	5,452	5,417	6,445
	WORK IN PROCESS												
	All manufacturing industries..	90,242	91,450	90,897	91,519	-1.3	+0.6	-0.7	90,987	92,135	91,680	91,111	96,302
	Durable goods industries.....	75,931	77,147	76,420	77,141	-1.6	+1.0	-0.9	76,522	77,864	77,288	76,904	80,753
32	Stone, clay, and glass products...	805	809	779	897	-0.5	+3.9	-13.2	866	870	823	842	973
33	Primary metals	7,329	8,451	7,443	7,386	-13.3	+13.5	+0.8	7,378	8,426	7,495	7,506	9,144
34	Fabricated metal products.....	5,907	6,112	5,912	5,986	-3.4	+3.4	-1.2	6,055	6,228	6,011	5,917	7,142
35	Machinery, except electrical.....	15,635	16,292	16,204	16,089	-4.0	+0.5	+0.7	15,746	16,389	16,325	16,214	18,207
36	Electrical Machinery.....	13,688	13,290	13,138	13,533	+3.0	+1.2	-2.9	13,826	13,397	13,438	13,347	13,771
37	Transportation equipment.....	25,397	25,193	25,838	26,183	+0.8	-2.5	-1.3	25,442	25,469	26,075	26,010	23,990
38	Instruments and related products..	3,986	3,992	3,927	3,928	-0.2	+1.7	0.0	4,053	4,047	3,943	3,915	4,214
24,25, 39	All other durable goods.....	3,184	3,008	3,179	3,139	+5.9	-5.4	+1.3	3,156	3,038	3,178	3,153	3,312
	Nondurable goods industries.....	14,311	14,303	14,477	14,378	+0.1	-1.2	+0.7	14,465	14,271	14,392	14,207	15,549
20	Food and kindred products.....	1,767	1,777	1,844	1,816	-0.6	-3.6	+1.5	1,752	1,767	1,848	1,851	2,051
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,009	2,015	1,977	2,003	-0.3	+1.9	-1.3	2,043	2,045	2,030	2,018	2,116
26	Paper and allied products.....	1,027	974	1,044	1,035	+5.4	-6.7	+0.9	1,050	990	1,038	1,012	1,002
28	Chemicals and allied products.....	3,370	3,260	3,275	3,170	+3.4	-0.5	+3.3	3,424	3,303	3,285	3,160	3,505
29	Petroleum and coal products.....	1,792	2,223	1,901	1,979	-19.4	+16.9	-3.9	1,838	2,179	1,871	1,911	2,340
30	Rubber and plastics products.....	986	948	1,013	1,022	+4.0	-6.4	-0.9	1,007	952	1,012	1,053	1,178
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,269	81,348	83,292	83,785	+1.1	-2.3	-0.6	83,662	81,642	84,285	83,836	90,712
	Durable goods industries.....	43,773	43,752	43,742	43,912	0.0	0.0	-0.4	45,131	44,588	44,540	43,698	48,917
32	Stone, clay, and glass products...	3,033	3,146	3,008	2,908	-3.6	+4.6	+3.4	3,159	3,281	3,132	2,919	3,228
33	Primary metals	6,077	5,629	5,744	5,687	+8.0	-2.0	+1.0	6,325	5,718	5,924	5,756	6,936
34	Fabricated metal products.....	4,692	4,405	4,653	4,692	+6.5	-5.3	-0.8	4,856	4,519	4,796	4,727	5,636
35	Machinery, except electrical.....	11,760	12,956	12,022	12,343	-9.2	+7.8	-2.6	11,997	13,161	12,100	12,168	13,479
36	Electrical Machinery.....	5,408	5,137	5,402	5,657	+5.3	-4.9	-4.5	5,598	5,235	5,504	5,511	6,277
37	Transportation equipment.....	4,960	4,581	5,024	4,851	+8.3	-8.8	+3.6	5,014	4,599	5,075	4,911	5,203
38	Instruments and related products..	2,344	2,338	2,391	2,411	+0.3	-2.2	-0.8	2,431	2,352	2,363	2,366	2,467
24,25, 39	All other durable goods.....	5,499	5,560	5,498	5,363	-1.1	+1.1	+2.5	5,751	5,723	5,646	5,340	5,691
	Nondurable goods industries.....	38,496	37,596	39,550	39,873	+2.4	-4.9	-0.8	38,531	37,054	39,745	40,138	41,795
20	Food and kindred products.....	10,963	10,561	11,268	11,447	+3.8	-6.3	-1.6	10,470	10,144	11,233	11,681	10,928
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,370	2,464	2,339	2,341	-3.8	+5.3	-0.1	2,435	2,521	2,395	2,323	2,521
26	Paper and allied products.....	3,167	3,296	3,151	3,150	-3.9	+4.6	0.0	3,308	3,331	3,175	3,117	3,373
28	Chemicals and allied products.....	8,850	8,438	8,731	8,820	+4.9	-3.4	-1.0	8,983	8,500	9,082	9,080	10,392
29	Petroleum and coal products.....	4,379	4,457	5,260	5,099	-1.8	-15.3	+3.2	4,225	4,134	5,098	5,150	4,672
30	Rubber and plastics products.....	2,706	2,556	2,715	2,748	+5.9	-5.9	-1.2	2,919	2,715	2,821	2,743	3,246
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]	Apr. 1983[p]	Mar. 1983[r]	Feb. 1983[r]	Jan. 1983[r]
	All manufacturing industries	1.58	1.59	1.65	1.66	3.69	3.68	3.79	3.75
	Durable goods industries	2.11	2.13	2.21	2.22	4.54	4.52	4.67	4.64
32	Stone, clay, and glass products	1.49	1.51	1.51	1.43	0.53	0.54	0.52	0.48
33	Primary metals	2.31	2.26	2.50	2.51	2.54	2.53	2.71	2.50
34	Fabricated metal products	1.78	1.80	1.85	1.86	2.40	2.46	2.49	2.54
35	Machinery, except electrical	2.72	2.72	3.00	2.89	4.16	4.05	4.38	4.27
36	Electrical machinery	2.08	2.11	2.19	2.22	4.92	4.97	5.11	5.07
37	Transportation equipment	2.10	2.11	2.08	2.22	11.52	11.47	11.38	11.83
38	Instruments and related products	2.27	2.24	2.26	2.21	1.85	1.81	1.82	1.74
	Nondurable goods industries	1.06	1.07	1.11	1.11	0.54	0.55	0.54	0.53
20	Food and kindred products	0.87	0.87	0.88	0.91	(X)	(X)	(X)	(X)
21	Tobacco products	3.72	2.92	3.82	4.09	(X)	(X)	(X)	(X)
22	Textile mill products	1.48	1.48	1.56	1.62	1.30	1.30	1.32	1.33
26	Paper and allied products	1.18	1.25	1.28	1.26	0.44	0.45	0.43	0.43
28	Chemicals and allied products	1.34	1.32	1.32	1.37	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.53	0.59	0.70	0.65	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.36	1.40	1.43	1.35	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Apr. 1982	All Aprs. 1978-1982	Apr. 1982-Mar. 1983	Year ago Apr. 1982	All Aprs. 1978-1982	Apr. 1982-Mar. 1983	Year ago Apr. 1982	All Aprs. 1978-1982	Apr. 1982-Mar. 1983	Year ago Apr. 1982	All Aprs. 1978-1982	Apr. 1982-Mar. 1983
	All manufacturing industries.	0.3	0.2	0.3	0.0	0.1	0.3	0.2	0.1	0.2	0.0	0.2	0.1
	Durable goods industries	0.3	0.2	0.3	0.3	0.2	0.6	0.3	0.1	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products..	0.7	0.6	1.4	0.4	0.7	1.4	0.6	1.1	1.6	0.4	0.4	0.7
33	Primary metals	0.1	0.5	0.7	0.4	0.6	1.2	0.1	0.2	0.3	0.1	0.2	0.4
34	Fabricated metal products	1.5	0.8	1.1	3.8	1.5	2.4	0.8	0.4	0.6	0.2	0.4	0.3
35	Machinery, except electrical	0.5	0.4	0.7	5.5	1.8	2.7	1.3	0.4	0.6	0.1	0.2	0.2
36	Electrical machinery	0.3	0.3	0.6	0.3	0.6	0.8	0.0	0.1	0.2	0.4	0.3	0.3
37	Transportation equipment	1.3	0.5	1.1	2.7	1.8	1.6	0.3	0.2	0.2	0.0	0.2	0.1
38	Instruments and related products.	1.1	0.7	1.0	1.8	1.5	1.7	0.5	0.7	0.8	1.2	0.4	0.7
	Nondurable goods industries	0.1	0.3	0.4	0.4	0.3	0.4	1.9	0.8	0.8	0.1	0.3	0.3
20	Food and kindred products	0.2	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.8
21	Tobacco products	0.0	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.1
22	Textile mill products	0.9	1.3	1.7	0.8	2.1	1.8	0.2	0.5	1.1	0.6	0.5	0.6
26	Paper and allied products	0.9	0.7	1.2	1.5	1.1	2.0	1.1	0.8	2.0	0.3	0.7	0.4
28	Chemicals and allied products	1.0	1.0	1.2	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.5	0.4
29	Petroleum and coal products	0.4	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.9	1.0	1.3
30	Rubber and plastics products	0.3	0.8	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6	0.9
	Capital Goods Industries:												
	Nondefense	0.7	0.3	0.9	2.3	1.2	1.9	0.4	0.3	0.5	0.0	0.1	0.1
	Defense	1.1	0.7	1.0	2.0	2.2	3.7	0.1	0.2	0.3	0.3	0.5	0.4

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158!
M 3-1 (83)-5

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

TON PUBLIC LIBRARY
INDENT OF DOCUMENTS

S. Department of Commerce
JREAU OF THE CENSUS

MAY 1983

M3-1(83)-5
FOR WIRE TRANSMISSION 2:30 P.M.E.D.T. Thursday, June 30, 1983

New orders for manufactured goods in May increased $3.2 lion or 1.9 percent to $169.6 billion the Department of mmerce, Bureau of the Census reported today. This is the ird consecutive monthly increase in orders and the sixth the last seven months, since reaching a low last October $152.4 billion. The value of shipments by manufacturers also creased for the third month in a row, and six of the last seven onths. The May increase in shipments was $4.6 billion or 2.8 rcent to $167.9 billion, the largest one month percentage crease since a 4.0 percent gain in September 1980. The back- of orders held by manufacturers at the end of May was 10.6 billion, up $1.6 billion or 0.5 percent from April.

The book value of inventories held by manufacturers at the d of May was $258.4 billion, up $1.0 billion or 0.4 percent om April. This is the first significant increase in inventories ce November of 1981 when they were valued at $284.3 lion. Last month's increase was less than 0.1 percent. With e value of shipments showing steady gains for the last several onths, the inventory to shipments ratio has been declining. e May ratio was 1.54, the lowest since a 1.53 in May 1979.

The increases in new orders for manufactured goods in May ere widespread. New orders for the durable goods sector, ere up $1.1 billion or 1.3 percent to $84.5 billion. This revised ward the earlier reported 0.2 percent increase. New orders for imary metals were up $1.1 billion or 12.0 percent to $10.0 lion; for fabricated metals, $0.7 billion or 7.0 percent to 0.0 billion; for electrical machinery, $0.4 billion or 2.9 per- nt to $13.6 billion; and for nonelectrical machinery, $0.3 lion or 2.0 percent to $15.1 billion. While orders for trans- rtation equipment declined $1.7 billion or 8.6 percent to 8.5 billion, the decrease was attributable to a decline in fense orders. Excluding the defense component, orders for nsportation equipment increased. New orders for the non- rable goods sector were up $2.1 billion or 2.6 percent to 5.1 billion.

New orders for nondefense capital goods in May declined 5 billion or 2.0 percent, following a large increase in April 12.8 percent. New orders for defense capital goods were vn $2.4 billion or 34 percent to $4.7 billion. Although this es is quite unstable on a month to month basis, new orders e shown a steep upward trend since the beginning of 1980.

The increase in manufacturers' shipments in May was ilarly widespread. Durable goods shipments, which were up 3.1 percent, reflected increases in all the major industry categories except Instruments and Related Products. Primary metals shipments were up $0.6 billion or 6.2 percent to $9.5 billion; fabricated metals, up $0.5 billion or 4.8 percent to $10.1 billion; nonelectrical machinery, up $0.4 billion or 3.1 percent to $14.6 billion, and transportation equipment, up $0.5 billion or 2.8 percent to $19.3 billion. The increase in transportation equipment was caused by a $1.1 billion or 9.7 percent increase in the motor vehicle and parts category, which was partially offset by declines in most of the other transportation components.

Shipments by the nondurable goods sector were up $2.1 billion or 2.5 percent to $84.9 billion. The foods and chemicals products industries accounted for about three fourths of the increase, although most of the other industries were also up.

The backlog of orders held by manufacturers at the end of May was estimated at $310.6 billion, up $1.6 billion or 0.5 percent from April. Since reaching a low last November of $298.1 billion, the value of unfilled orders has been increasing each month, except for a 0.1 percent decline in February. The backlog excluding defense orders increased for the second straight month, following a downward trend which began 2 years ago.

Within the capital goods sector, the backlog of orders for defense capital goods in May declined $0.5 billion or 0.5 percent to $104.0 billion, following 7 months of increases. The backlog of orders for nondefense capital goods increased $0.4 billion or 0.3 percent to $119.5 billion, following a 0.4 percent increase in April.

The increase in the value of manufacturers' inventories in May of $1.0 billion or 0.4 percent was concentrated in the durable goods sector. The largest increases were in electrical machinery and transportation equipment. The nondurable goods industries showed a slight increase of $0.1 billion or 0.1 percent in their inventory to a level of $87.7 billion. Increases in the foods, textiles, and petroleum products industries offset declines in most of the other categories. Inventories by stage of fabrication in May showed increases in raw materials and supplies of 0.3 percent, work in process of 0.6 percent, and finished goods of 0.2 percent.

The advance report on durable goods for June is scheduled for release on July 22, 1983, and the full report is scheduled for release on August 2, 1983.

ress inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call h Runyan or Kathleen Swindell-Menth, (301) 763-2502.
sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage ps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May, 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	Apr.-May.[p]	Mar.-Apr.[r]	Feb.-Mar.	May, 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	1983[p]	1982
	All manufacturing industries	167,929	163,372	161,803	158,081	+2.8	+1.0	+2.4	168,870	164,679	170,007	159,488	809,657	801,838
	Manufacturing industries with unfilled orders	85,334	83,795	83,196	80,572	+1.8	+0.7	+3.3	85,672	84,400	88,105	81,501	413,922	417,017
	Durable goods industries	83,012	80,548	79,595	77,769	+3.1	+1.2	+2.3	84,319	82,387	85,247	78,272	400,207	393,257
	With unfilled orders	67,365	66,009	65,542	63,372	+2.1	+0.7	+3.4	67,812	66,651	69,873	64,101	326,261	332,802
32	Stone, clay, and glass products	4,013	3,885	3,822	3,799	+3.3	+1.6	+0.6	4,082	3,962	3,887	3,549	18,848	17,822
322	Glass containers	425	405	400	393	+4.9	+1.3	+1.8	432	407	434	375	2,025	1,993
33	Primary metals	9,513	8,958	8,925	8,230	+6.2	+0.4	+8.4	9,744	9,448	9,482	8,671	45,411	50,220
331	Blast furnaces, steel mills	3,857	3,588	3,594	3,241	+7.5	-0.2	+10.9	3,850	3,792	3,896	3,429	18,187	23,512
333-9	Nonferrous and other primary metals	4,671	4,434	4,515	4,191	+5.3	-1.8	+7.7	4,844	4,656	4,727	4,422	22,729	21,947
34	Fabricated metal products	10,077	9,617	9,515	9,373	+4.8	+1.1	+1.5	10,248	9,828	10,074	9,374	47,993	48,421
341	Metal cans, barrels, and drums	933	909	868	921	+2.6	+4.7	-5.8	968	900	893	901	4,447	4,739
35	Machinery, except electrical	14,553	14,117	14,191	13,097	+3.1	-0.5	+8.4	14,440	14,038	15,424	13,413	69,501	79,334
351	Engines and turbines	1,005	960	929	957	+4.7	+3.3	-2.9	1,001	974	1,073	1,002	4,926	6,051
352	Farm machinery and equipment	962	905	864	791	+6.3	+4.7	+9.2	1,041	1,009	1,037	836	4,753	5,514
353	Construction, mining, and material handling equipment	2,447	2,110	2,062	1,890	+16.0	+2.3	+9.1	2,461	2,180	2,163	2,030	10,785	15,668
354	Metalworking machinery	652	638	588	605	+2.2	+8.5	-2.8	631	618	670	645	3,202	4,462
356	General industrial machinery	1,102	1,128	1,137	1,165	-2.3	-0.8	-2.4	1,123	1,125	1,191	1,194	5,757	6,820
357	Office and computing machines	3,595	3,755	4,142	3,405	-4.3	-9.3	+21.6	3,318	3,372	4,391	3,218	16,910	15,799
36	Electrical machinery	12,658	12,619	12,364	11,977	+0.3	+2.1	+3.2	12,524	12,545	12,967	12,214	61,292	58,666
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,688	1,781	1,790	1,723	-5.2	-0.5	+3.9	1,734	1,790	1,909	1,806	8,886	9,586
363	Household appliances	1,254	1,201	1,163	1,142	+4.4	+3.3	+1.8	1,233	1,198	1,231	1,154	5,901	4,850
365	Radio and TV	729	759	676	649	-4.0	+12.3	+4.2	638	642	652	648	3,151	3,128
366	Communication equipment	3,934	3,994	3,842	3,743	-1.5	+4.0	+2.6	3,983	4,097	4,124	3,761	19,371	18,210
367	Electronic components	2,845	2,688	2,856	2,686	+5.8	-5.9	+6.3	2,839	2,763	2,944	2,780	13,820	13,171
37	Transportation equipment	19,295	18,763	18,530	19,135	+2.8	+1.3	-3.2	20,287	19,902	20,529	19,113	95,954	81,557
371	Motor vehicles and parts	12,346	11,259	11,037	11,666	+9.7	+2.0	-5.4	13,140	12,264	12,346	11,737	59,313	47,486
372,6	Aircraft, missiles, and parts	5,467	5,924	5,955	5,805	-7.7	-0.5	+2.6	5,599	5,950	6,489	5,697	28,714	25,298
3731	Shipbuilding and military tank vehicles	781	854	873	987	-8.5	-2.2	-11.6	835	832	907	964	4,292	5,009
38	Instruments and related products	3,938	3,971	3,946	3,954	-0.8	+0.6	-0.2	3,882	3,892	4,204	3,900	19,551	19,934
381-4	Scientific and engineering instruments	2,289	2,297	2,312	2,371	-0.3	-0.6	-2.5	2,246	2,297	2,504	2,355	11,619	11,632
386	Photographic goods	1,458	1,466	1,438	1,382	-0.5	+1.9	+4.1	1,445	1,393	1,490	1,347	6,967	7,360
24,25, 39	All other durable goods	8,965	8,618	8,302	8,204	+4.0	+3.8	+1.2	9,112	8,772	8,680	8,038	41,657	37,303
	Nondurable goods industries	84,917	82,824	82,208	80,312	+2.5	+0.7	+2.4	84,551	82,292	84,760	81,216	409,450	408,581
	With unfilled orders	17,969	17,786	17,654	17,200	+1.0	+0.7	+2.6	17,860	17,749	18,232	17,400	87,661	84,215
20	Food and kindred products	24,138	23,460	23,778	23,583	+2.9	-1.3	+0.8	23,712	22,835	24,454	23,596	116,001	113,336
201	Meat products	5,812	5,664	5,711	5,523	+2.6	-0.8	+3.4	5,759	5,398	5,562	5,474	27,523	26,646
208	Beverages	3,577	3,491	3,497	3,635	+2.5	-0.2	-3.8	3,731	3,554	3,423	3,239	16,778	16,502
207	Fats and oils	1,374	1,234	1,212	1,195	+11.3	+1.8	+1.4	1,289	1,203	1,303	1,268	6,431	6,744
203-6,9	All other foods	10,120	9,956	10,176	10,066	+1.6	-2.2	+1.1	9,674	9,568	10,959	10,448	49,637	47,835
21	Tobacco products	1,406	1,267	1,572	1,191	+11.0	-19.4	+32.0	1,414	1,269	1,476	1,121	6,326	5,531
22	Textile mill products	4,278	4,166	4,173	3,936	+2.7	-0.2	+6.0	4,339	4,140	4,557	3,949	20,430	19,605
26	Paper and allied products	6,890	6,994	6,695	6,614	-1.5	+4.5	+1.2	6,949	7,070	7,058	6,813	34,396	33,446
261-3,6	Pulp, paper etc.	2,905	2,937	2,812	2,840	-1.1	+4.4	-1.0	2,991	2,998	3,001	2,909	14,598	14,470
265	Paperboard containers	1,540	1,516	1,497	1,458	+1.6	+1.3	+2.7	1,546	1,546	1,580	1,511	7,653	7,675
264	All other paper products	2,445	2,541	2,386	2,316	-3.8	+6.5	+3.0	2,412	2,526	2,477	2,393	12,145	11,301
28	Chemicals and allied products	15,529	14,635	14,716	14,709	+6.1	-0.6	0.0	16,093	15,351	16,109	14,974	76,378	74,869
281,6	Industrial chemicals, except pigments	4,818	4,687	4,412	4,389	+2.8	+6.2	+0.5	4,890	4,893	4,995	4,599	23,550	24,546
283,4	Drugs, soaps, and toiletries	4,208	3,929	4,062	4,192	+7.1	-3.3	-3.1	3,918	3,788	4,326	4,192	20,125	19,926
29	Petroleum and coal products	15,827	15,877	15,068	13,953	-0.3	+5.4	+8.0	15,827	15,431	14,781	14,206	75,486	84,702
30	Rubber and plastics products	4,194	4,130	4,017	3,967	+1.5	+2.8	+1.3	4,200	4,280	4,148	4,130	20,659	21,033
23,27, 31	All other nondurable goods	12,655	12,295	12,189	12,359	+2.9	+0.9	-1.4	12,017	11,916	12,177	12,427	59,774	56,059
	Market categories:													
	Home goods and apparel	11,847	11,716	11,208	11,415	+1.1	+4.5	-1.8	11,249	11,220	11,709	11,570	55,391	52,558
	Consumer staples	32,344	31,133	32,055	31,501	+3.9	-2.9	+1.8	31,677	30,515	32,684	31,305	154,679	149,201
	Equipment and defense products, except automotive	23,565	23,992	23,797	23,061	-1.8	+0.8	+3.2	23,661	23,886	25,718	23,057	116,989	122,661
	Automotive equipment	14,312	13,139	12,902	13,474	+8.9	+1.8	-4.2	15,185	14,375	14,327	13,460	68,682	55,404
	Construction materials, supplies and intermediate products	12,946	12,333	12,291	12,026	+5.0	+0.3	+2.2	13,308	12,670	12,458	11,360	60,260	54,730
	Other materials, supplies, and intermediate products	72,915	71,059	69,550	66,604	+2.6	+2.2	+4.4	73,790	72,013	73,111	68,736	353,656	367,284
	Supplementary series:[2]													
	Capital goods industries	26,875	27,402	27,153	26,017	-1.9	+0.9	+4.4	26,826	27,085	29,209	26,234	132,768	138,900
	Nondefense	21,731	22,131	22,037	20,762	-1.8	+0.4	+6.1	21,586	21,846	23,727	21,021	107,020	117,196
	Defense	5,144	5,271	5,116	5,255	-2.4	+3.0	-2.6	5,240	5,239	5,482	5,213	25,748	21,704
	Household durable goods industries	5,221	5,252	4,971	4,910	-0.6	+5.7	+1.2	5,092	5,127	5,296	4,961	24,718	23,615

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May. 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	Apr.-May.[p]	Mar.-Apr.[r]	Feb.-Mar.	May. 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	1983[p]	1982
	All manufacturing industries	169,561	166,331	162,587	157,757	+1.9	+2.3	+3.1	168,044	167,206	172,686	160,300	822,797	799,035
	Manufacturing industries with unfilled orders	86,966	86,754	83,980	80,248	+0.2	+3.3	+4.7	84,846	86,927	90,784	82,313	427,062	414,214
	Durable goods industries	84,505	83,407	79,951	77,449	+1.3	+4.3	+3.2	83,381	84,710	87,411	79,059	412,226	390,962
	With unfilled orders	68,858	68,868	65,898	63,052	0.0	+4.5	+4.5	66,874	68,974	72,037	64,888	338,280	330,507
32	Stone, clay, and glass products	4,038	3,913	3,884	3,870	+3.2	+0.7	+0.4	4,139	4,020	3,938	3,649	19,163	17,530
33	Primary metals	10,029	8,952	9,183	9,911	+12.0	-2.5	-7.3	9,610	9,143	9,981	10,984	48,537	46,593
331	Blast furnaces, steel mills	4,201	3,481	3,777	4,277	+20.7	-7.8	-11.7	3,722	3,586	4,222	4,932	19,988	21,086
333-9	Nonferrous and other primary metals	4,727	4,519	4,553	4,839	+4.6	-0.7	-5.9	4,773	4,576	4,865	5,205	23,902	21,324
34	Fabricated metal products	10,017	9,366	9,715	9,024	+7.0	-3.6	+7.7	10,127	9,548	10,555	9,138	47,855	46,815
35	Machinery, except electrical	15,105	14,806	14,330	12,252	+2.0	+3.3	+17.0	14,719	14,571	15,396	12,729	69,416	73,225
351	Engines and turbines	1,120	871	838	983	+28.6	+3.9	-14.8	1,089	862	998	973	4,706	5,325
353	Construction, mining, and material handling equipment	2,612	2,122	1,971	1,739	+23.1	+7.7	+13.3	2,499	2,176	2,075	2,002	10,604	12,696
354	Metalworking machinery	701	619	531	577	+13.2	+16.6	-8.0	661	609	603	608	2,979	2,983
356	General industrial machinery	1,029	1,117	1,070	1,209	-7.9	+4.4	-11.5	1,054	1,095	1,132	1,248	5,608	6,451
357	Office and computing machines	3,631	4,510	4,318	2,632	-19.5	+4.4	+64.1	3,464	4,134	4,447	2,469	17,309	16,526
36	Electrical machinery	13,567	13,181	12,526	12,398	+2.9	+5.2	+1.0	13,097	13,242	13,447	13,226	65,126	62,812
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,495	1,778	1,718	1,804	-15.9	+3.5	-4.8	1,541	1,834	1,869	1,943	8,712	9,378
363	Household appliances	1,262	1,223	1,204	1,126	+3.2	+1.6	+6.9	1,248	1,223	1,277	1,158	6,058	4,902
365	Radio and TV	909	686	540	730	+32.5	+27.0	-26.0	816	538	499	733	3,133	3,178
366	Communication equipment	4,255	4,354	3,955	4,031	-2.3	+10.1	-1.9	4,160	4,334	4,467	4,310	21,315	21,627
367	Electronic components	3,435	2,984	3,084	2,628	+15.1	-3.2	+17.4	3,243	3,279	3,226	2,971	15,705	13,981
37	Transportation equipment	18,480	20,226	17,953	17,708	-8.6	+12.7	+1.4	18,287	20,999	20,861	17,167	99,144	85,976
372,6	Aircraft, missiles, and parts	4,244	7,162	5,946	5,206	-40.7	+20.5	+14.2	3,757	6,705	7,247	4,675	31,545	30,699
3731	Shipbuilding and military tank vehicles	1,122	796	346	329	+41.0	+130.1	+5.2	728	1,064	560	173	4,522	5,301
38	Instruments and related products	3,991	4,072	3,874	4,023	-2.0	+5.1	-3.7	3,874	3,961	4,221	4,015	19,876	20,174
24,25, 39	All other durable goods	9,278	8,891	8,486	8,263	+4.4	+4.8	+2.7	9,528	9,226	9,012	8,151	43,109	37,837
	Nondurable goods industries	85,056	82,924	82,636	80,308	+2.6	+0.3	+2.9	84,663	82,496	85,275	81,241	410,571	408,073
	With unfilled orders	18,108	17,886	18,082	17,196	+1.2	-1.1	+5.2	17,972	17,953	18,747	17,425	88,782	83,707
	Market categories:													
	Home goods and apparel	12,234	11,702	11,101	11,557	+4.5	+5.4	-3.9	11,729	11,433	11,763	11,785	56,570	52,966
	Consumer staples	32,353	31,133	32,036	31,487	+3.9	-2.8	+1.7	31,633	30,486	32,648	31,262	154,621	149,176
	Equipment and defense products, except automotive	23,498	26,718	22,261	21,598	-12.1	+20.0	+3.1	22,254	25,827	25,443	21,276	120,431	126,503
	Automotive equipment	14,359	13,417	12,806	13,331	+7.0	+4.8	-3.9	15,115	14,480	14,191	13,356	68,773	54,282
	Construction materials, supplies and intermediate products	12,748	12,219	12,815	11,798	+4.3	-4.7	+8.6	13,223	12,630	13,108	11,254	60,756	53,982
	Other materials, supplies, and intermediate products	74,369	71,142	71,568	67,986	+4.5	-0.6	+5.3	74,090	72,350	75,533	71,367	361,646	362,126
	Supplementary series:[2]													
	Capital goods industries	26,788	29,671	26,601	24,494	-9.7	+11.5	+8.6	25,208	28,890	29,914	24,540	137,731	141,839
	Nondefense	22,129	22,592	20,032	19,175	-2.0	+12.8	+4.5	21,220	22,093	22,414	19,018	104,471	109,770
	Defense	4,659	7,079	6,569	5,319	-34.2	+7.8	+23.5	3,988	6,797	7,500	5,522	33,260	32,069
	Household durable goods industries	5,583	5,249	4,940	5,007	+6.4	+6.3	-1.3	5,535	5,313	5,382	5,164	25,829	24,051

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May. 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May. 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	May. 1982
	All manufacturing industries..	310,645	309,015	306,053	305,268	+0.5	+1.0	+0.3	312,875	313,705	311,178	308,490	318,599
	Durable goods industries.....	300,763	299,270	296,407	296,049	+0.5	+1.0	+0.1	302,778	303,720	301,397	299,227	309,340
32	Stone, clay, and glass products...	1,902	1,877	1,848	1,787	+1.3	+1.6	+3.4	1,971	1,914	1,855	1,804	1,957
33	Primary metals.....	23,076	22,561	22,567	22,308	+2.3	0.0	+1.2	23,416	23,551	23,857	23,357	22,818
331	Blast furnaces, steel mills.....	13,625	13,281	13,388	13,204	+2.6	-0.8	+1.4	13,870	13,998	14,205	13,878	13,558
333-9	Nonferrous and other primary metals.....	7,122	7,067	6,982	6,944	+0.8	+1.2	+0.5	7,236	7,307	7,387	7,250	6,691
34	Fabricated metal products.....	20,942	21,003	21,255	21,052	-0.3	-1.2	+1.0	21,102	21,223	21,503	21,020	26,819
35	Machinery, except electrical.....	55,243	54,690	53,999	53,859	+1.0	+1.3	+0.3	55,444	55,167	54,633	54,659	67,119
351	Engines and turbines.....	14,834	14,719	14,806	14,897	+0.8	-0.6	-0.6	14,838	14,750	14,863	14,939	17,024
353	Construction, mining, and material handling equipment....	5,468	5,303	5,291	5,381	+3.1	+0.2	-1.7	5,451	5,414	5,418	5,505	8,447
354	Metalworking machinery.....	2,194	2,145	2,164	2,221	+2.3	-0.9	-2.6	2,172	2,143	2,151	2,219	3,479
356	General industrial machinery....	4,512	4,585	4,596	4,663	-1.6	-0.2	-1.4	4,544	4,613	4,642	4,700	5,935
357	Office and computing machines...	18,268	18,232	17,477	17,301	+0.2	+4.3	+1.0	18,542	18,396	17,634	17,578	20,623
36	Electrical machinery.....	62,878	61,967	61,408	61,246	+1.5	+0.9	+0.3	63,441	62,869	62,173	61,692	57,232
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,498	6,690	6,693	6,765	-2.9	0.0	-1.1	6,588	6,780	6,737	6,777	7,524
363	Household appliances.....	443	435	414	372	+1.8	+5.1	+11.3	463	448	423	377	325
365	Radio and TV.....	461	281	355	491	+64.1	-20.8	-27.7	388	211	314	467	484
366	Communication equipment.....	40,032	39,710	39,351	39,239	+0.8	+0.9	+0.3	40,451	40,274	40,037	39,694	34,487
367	Electronic components.....	14,188	13,598	13,302	13,074	+4.3	+2.2	+1.7	14,301	13,898	13,382	13,100	13,126
37	Transportation equipment.....	124,647	125,463	123,997	124,576	-0.7	+1.2	-0.5	125,037	127,036	125,940	125,608	120,703
372,6	Aircraft, missiles, and parts...	95,888	97,112	95,873	95,883	-1.3	+1.3	0.0	96,183	98,024	97,270	96,512	94,645
3731	Shipbuilding and military tank vehicles.....	22,763	22,422	22,479	23,006	+1.5	-0.3	-2.3	22,974	23,082	22,850	23,196	20,055
38	Instruments and related products..	7,291	7,239	7,137	7,209	+0.7	+1.4	-1.0	7,300	7,309	7,240	7,223	7,411
24,25, 39	All other durable goods.....	4,784	4,470	4,196	4,012	+7.0	+6.5	+4.6	5,067	4,651	4,196	3,864	4,843
	Nondurable goods industries.....	9,882	9,745	9,646	9,219	+1.4	+1.0	+4.6	10,097	9,985	9,781	9,263	9,259
	Market categories:												
	Home goods and apparel.....	3,962	3,575	3,589	3,695	+10.8	-0.4	-2.9	4,182	3,704	3,490	3,434	4,106
	Consumer staples.....	767	759	759	778	+1.1	0.0	-2.4	707	751	780	816	733
	Equipment and defense products, except automotive.....	185,390	185,457	182,729	184,266	0.0	+1.5	-0.8	186,481	187,891	185,949	186,222	189,307
	Automotive equipment.....	5,559	5,512	5,234	5,330	+0.9	+5.3	-1.8	5,443	5,512	5,407	5,543	5,342
	Construction materials, supplies and intermediate products.....	12,691	12,889	13,003	12,478	-1.5	-0.9	+4.2	12,943	13,028	13,068	12,418	15,977
	Other materials, supplies, and intermediate products	102,276	100,823	100,739	98,721	+1.4	+0.1	+2.0	103,119	102,819	102,484	100,057	103,134
	Supplementary series:[2]												
	Capital goods industries.....	223,476	223,562	221,290	221,843	0.0	+1.0	-0.2	224,678	226,297	224,494	223,785	227,059
	Nondefense.....	119,523	119,122	118,658	120,664	+0.3	+0.4	-1.7	119,732	120,098	119,853	121,162	137,992
	Defense.....	103,953	104,440	102,632	101,179	-0.5	+1.8	+1.4	104,946	106,199	104,641	102,623	89,067
	Household durable goods industries.....	3,518	3,156	3,159	3,189	+11.5	-0.1	-0.9	3,707	3,266	3,079	2,992	3,622

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May, 1983[p]	Apr.[r] 1983[r]	Mar. 1983	Feb. 1983	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May, 1983[p]	Apr.[r] 1983[r]	Mar. 1983	Feb. 1983	May. 1982
	All manufacturing industries..	258,400	257,397	257,304	260,856	+0.4	0.0	-1.4	260,735	260,170	259,430	262,695	278,877
	Manufacturing industries with unfilled orders.....	176,956	176,177	175,876	178,178	+0.4	+0.2	-1.3	179,221	178,223	177,323	179,044	192,388
	Durable goods industries.....	170,744	169,814	169,377	171,572	+0.5	+0.3	-1.3	172,616	171,819	171,120	173,009	185,369
	With unfilled orders.....	156,604	155,871	155,516	157,501	+0.5	+0.2	-1.3	158,245	157,503	156,783	158,475	170,450
32	Stone, clay, and glass products...	5,828	5,783	5,786	5,751	+0.8	-0.1	+0.6	6,027	5,975	5,963	5,937	6,370
322	Glass containers.....	651	654	653	652	-0.5	+0.2	+0.2	669	668	652	657	677
33	Primary metals.....	20,571	20,543	20,174	20,592	+0.1	+1.8	-2.0	20,593	20,660	20,298	20,914	24,492
331	Blast furnaces, steel mills.....	9,979	10,008	9,770	9,945	-0.3	+2.4	-1.8	9,869	9,848	9,603	10,094	12,630
333-9	Nonferrous and other primary metals.....	9,414	9,362	9,269	9,520	+0.6	+1.0	-2.6	9,508	9,587	9,520	9,672	10,588
34	Fabricated metal products.....	17,302	17,264	17,121	17,310	+0.2	+0.8	-1.1	17,720	17,670	17,524	17,570	20,155
341	Metal cans, barrels, and drums..	2,040	1,938	1,872	1,871	+5.3	+3.5	+0.1	2,293	2,194	2,069	1,996	1,948
35	Machinery, except electrical.....	38,221	38,269	38,636	39,234	-0.1	-0.9	-1.5	38,713	38,684	38,806	39,427	44,038
351	Engines and turbines.....	2,197	2,178	2,211	2,303	+0.9	-1.5	-4.0	2,217	2,212	2,221	2,332	2,741
352	Farm machinery and equipment....	1,917	1,913	1,882	1,976	+0.2	+1.6	-4.8	1,981	1,997	1,986	2,069	2,616
353	Construction, mining, and material handling equipment....	7,989	8,115	8,347	8,602	-1.6	-2.8	-3.0	8,101	8,220	8,430	8,628	10,667
354	Metalworking machinery.....	2,277	2,251	2,298	2,296	+1.2	-2.0	+0.1	2,303	2,269	2,279	2,305	2,799
356	General industrial machinery....	3,919	3,937	3,952	3,957	-0.5	-0.4	-0.1	3,943	3,973	3,984	4,001	4,174
357	Office and computing machines...	9,817	9,797	9,805	9,809	+0.2	-0.1	0.0	9,896	9,748	9,668	9,740	9,633
36	Electrical machinery.....	26,451	26,165	26,085	26,287	+1.1	+0.3	-0.8	26,974	26,609	26,292	26,226	28,183
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,979	3,954	4,006	4,046	+0.6	-1.3	-1.0	4,063	4,011	3,985	4,030	4,561
363	Household appliances.....	1,833	1,841	1,833	1,845	-0.4	+0.4	-0.7	1,967	1,948	1,879	1,856	2,037
365	Radio and TV.....	943	976	974	993	-3.4	+0.2	-1.9	990	985	952	969	1,358
366	Communication equipment.....	10,378	10,169	10,051	10,044	+2.1	+1.2	+0.1	10,456	10,297	10,188	10,054	10,196
367	Electronic components.....	5,355	5,320	5,356	5,426	+0.7	-0.7	-1.3	5,408	5,373	5,388	5,404	5,660
37	Transportation equipment.....	39,717	39,278	39,150	39,771	+1.1	+0.3	-1.6	39,633	39,424	39,554	40,167	38,075
371	Motor vehicles and parts.....	8,466	8,367	8,144	8,175	+1.2	+2.7	-0.4	8,332	8,328	8,239	8,338	8,287
372,6	Aircraft, missiles, and parts...	28,346	28,045	28,053	28,458	+1.1	0.0	-1.4	28,422	28,209	28,325	28,633	26,348
3731	Shipbuilding and military tank vehicles.....	1,615	1,598	1,594	1,676	+1.1	+0.3	-4.9	1,606	1,603	1,590	1,663	1,778
38	Instruments and related products..	8,993	8,927	8,830	8,954	+0.7	+1.1	-1.4	9,184	9,088	8,914	8,943	9,741
381-4	Scientific and engineering instruments.....	6,504	6,474	6,419	6,432	+0.5	+0.9	-0.2	6,596	6,551	6,464	6,432	6,655
386	Photographic goods.....	1,956	1,925	1,907	2,014	+1.6	+0.9	-5.3	2,037	2,000	1,936	2,002	2,475
24,25, 39	All other durable goods.....	13,661	13,585	13,595	13,673	+0.6	-0.1	-0.6	13,772	13,709	13,769	13,825	14,315
	Nondurable goods industries.....	87,656	87,583	87,927	89,284	+0.1	-0.4	-1.5	88,119	88,351	88,310	89,686	93,508
	With unfilled orders.....	20,352	20,306	20,360	20,677	+0.2	-0.3	-1.5	20,976	20,720	20,540	20,569	21,938
20	Food and kindred products.....	20,731	20,536	20,654	20,733	+0.9	-0.6	-0.4	19,864	20,055	20,352	20,899	20,191
201	Meat products.....	2,076	2,021	2,027	2,065	+2.7	-0.3	-1.8	2,099	2,114	2,053	2,108	2,214
208	Beverages.....	3,697	3,599	3,583	3,619	+2.7	+0.4	-1.0	3,705	3,671	3,694	3,717	3,648
207	Fats and oils.....	1,333	1,359	1,246	1,325	-1.9	+9.1	-6.0	1,292	1,365	1,321	1,441	1,336
203-6,9	All other foods.....	11,943	11,861	12,097	11,993	+0.7	-2.0	+0.9	11,036	11,185	11,613	11,945	11,220
21	Tobacco products.....	4,600	4,707	4,596	4,549	-2.3	+2.4	+1.0	4,495	4,754	4,762	4,817	4,589
22	Textile mill products.....	6,334	6,225	6,180	6,127	+1.8	+0.7	+0.9	6,560	6,409	6,338	6,281	6,653
26	Paper and allied products.....	8,294	8,304	8,370	8,483	-0.1	-0.8	-1.3	8,540	8,507	8,459	8,438	8,893
261-3,6	Pulp, paper etc.	3,304	3,302	3,278	3,358	+0.1	+0.7	-2.4	3,372	3,348	3,307	3,337	3,414
265	Paperboard containers.....	2,154	2,162	2,162	2,179	-0.4	0.0	-0.8	2,216	2,213	2,173	2,157	2,324
264	All other paper products.....	2,836	2,840	2,930	2,946	-0.1	-3.1	-0.5	2,952	2,946	2,979	2,944	3,155
28	Chemicals and allied products.....	19,334	19,401	19,364	19,434	-0.3	+0.2	-0.4	19,591	19,760	19,662	19,833	21,464
291,6	Industrial chemicals, except pigments	5,847	5,932	5,907	5,927	-1.4	+0.4	-0.3	5,952	6,015	5,925	6,021	7,002
283,4	Drugs, soaps, and toiletries ...	6,244	6,186	6,198	6,273	+0.9	-0.2	-1.2	6,406	6,285	6,192	6,229	6,736
29	Petroleum and coal products	8,666	8,588	8,855	9,782	+0.9	-3.0	-9.5	8,599	8,542	8,753	9,491	9,205
30	Rubber and plastics products.....	5,603	5,638	5,629	5,670	-0.6	+0.2	-0.7	5,767	5,901	5,789	5,729	6,490
23,27, 31	All other nondurable goods.....	14,094	14,184	14,279	14,506	-0.6	-0.7	-1.6	14,703	14,423	14,195	14,198	16,023
	Market categories:												
	Home goods and apparel.....	19,784	19,800	19,737	19,889	-0.1	+0.3	-0.8	20,657	20,189	19,794	19,793	22,260
	Consumer staples.....	33,144	32,998	33,192	33,307	+0.4	-0.6	-0.3	32,432	32,726	33,025	33,524	33,450
	Equipment and defense products, except automotive.....	74,059	73,713	73,963	74,873	+0.5	-0.3	-1.2	74,743	74,405	74,573	75,225	78,287
	Automotive equipment.....	10,420	10,297	10,123	10,260	+1.2	+1.7	-1.3	10,319	10,331	10,330	10,526	10,636
	Construction materials, supplies and intermediate products.....	18,653	18,604	18,607	18,567	+0.3	0.0	+0.2	18,968	18,990	19,102	18,984	20,456
	Other materials, supplies, and intermediate products	102,340	101,985	101,682	103,960	+0.3	+0.3	-2.2	103,616	103,529	102,606	104,643	113,788
	Supplementary series:[2]												
	Capital goods industries.....	83,993	83,447	83,740	84,908	+0.7	-0.3	-1.4	84,830	84,246	84,263	85,150	88,390
	Nondefense.....	66,777	66,597	66,916	68,407	+0.3	-0.5	-2.2	67,402	67,305	67,290	68,700	73,941
	Defense.....	17,216	16,850	16,824	16,501	+2.2	+0.2	+2.0	17,428	16,941	16,973	16,450	14,449
	Household durable goods industries.....	9,732	9,749	9,666	9,802	-0.2	+0.9	-1.4	10,052	9,929	9,737	9,821	10,849

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of Month				Percent change			End of Month				
		May 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	Apr.[r]-May	Mar.-Apr.[r]	Feb.-Mar.	May 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	May 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,269	84,990	84,831	86,667	+0.3	+0.2	-2.1	85,521	85,633	85,690	86,730	93,049
	Durable goods industries.....	50,517	50,268	50,016	51,410	+0.5	+0.5	-2.7	50,483	50,320	50,180	51,181	55,809
32	Stone, clay, and glass products...	1,957	1,950	1,982	1,964	+0.4	-1.6	+0.9	1,958	1,956	1,986	1,982	2,160
33	Primary metals	7,076	7,181	7,140	7,405	-1.5	+0.6	-3.6	6,900	7,000	7,085	7,495	8,700
34	Fabricated metal products.....	6,665	6,641	6,491	6,745	+0.4	+2.3	-3.8	6,723	6,734	6,637	6,763	7,409
35	Machinery, except electrical.....	11,003	10,912	10,919	11,008	+0.8	-0.1	-0.8	11,020	10,979	10,900	11,002	12,211
36	Electrical Machinery.....	7,204	7,117	7,250	7,747	+1.2	-1.8	-6.4	7,310	7,233	7,225	7,284	7,973
37	Transportation equipment.....	9,109	8,928	8,782	8,909	+2.0	+1.7	-1.4	9,166	8,972	8,889	9,017	9,122
38	Instruments and related products..	2,605	2,643	2,544	2,636	-1.4	+3.9	-3.5	2,610	2,651	2,584	2,637	2,929
24,25, 39	All other durable goods.....	4,898	4,896	4,908	4,996	0.0	-0.2	-1.8	4,796	4,795	4,874	5,001	5,305
	Nondurable goods industries.....	34,752	34,722	34,815	35,257	+0.1	-0.3	-1.3	35,038	35,313	35,510	35,549	37,240
20	Food and kindred products.....	7,688	7,699	7,688	7,621	-0.1	+0.1	+0.9	7,590	7,729	7,878	7,818	7,658
21	Tobacco products.....	4,046	4,147	4,083	4,033	-2.4	+1.6	+1.2	3,990	4,220	4,255	4,314	4,150
22	Textile mill products.....	1,883	1,839	1,827	1,811	+2.4	+0.7	+0.9	1,976	1,924	1,911	1,856	2,022
26	Paper and allied products.....	4,137	4,138	4,188	4,288	0.0	-1.2	-2.3	4,160	4,180	4,195	4,225	4,405
28	Chemicals and allied products.....	7,240	7,253	7,326	7,428	-0.2	-1.0	-1.4	7,364	7,427	7,489	7,466	8,076
29	Petroleum and coal products.....	2,474	2,368	2,335	2,621	+4.5	+1.4	-10.9	2,570	2,432	2,375	2,522	2,672
30	Rubber and plastics products.....	1,972	1,969	1,954	1,942	+0.2	+0.8	+0.6	1,980	1,999	1,942	1,896	2,150
23,27, 31	All other nondurable goods.....	5,312	5,309	5,414	5,513	+0.1	-1.9	-1.8	5,408	5,402	5,465	5,452	6,362
	WORK IN PROCESS												
	All manufacturing industries..	90,905	90,365	90,060	90,897	+0.6	+0.3	-0.9	91,516	91,118	90,735	91,680	95,816
	Durable goods industries.....	76,656	76,018	75,896	76,420	+0.8	+0.2	-0.7	77,093	76,619	76,550	77,288	80,351
32	Stone, clay, and glass products...	842	814	802	779	+3.4	+1.5	+3.0	886	876	861	823	958
33	Primary metals	7,302	7,330	7,335	7,443	-0.4	-0.1	-1.5	7,382	7,381	7,308	7,495	8,987
34	Fabricated metal products.....	6,026	5,948	5,939	5,912	+1.3	+0.2	+0.5	6,193	6,097	6,080	6,011	7,075
35	Machinery, except electrical.....	15,639	15,647	15,887	16,204	-0.1	-1.5	-2.0	15,772	15,760	15,908	16,325	18,053
36	Electrical Machinery.....	13,879	13,690	13,465	13,138	+1.4	+1.7	+2.5	14,013	13,829	13,581	13,438	13,856
37	Transportation equipment.....	25,753	25,445	25,398	25,838	+1.2	+0.2	-1.7	25,577	25,494	25,684	26,075	23,878
38	Instruments and related products..	4,008	3,949	3,935	3,927	+1.5	+0.4	+0.2	4,064	4,015	3,982	3,943	4,245
24,25, 39	All other durable goods.....	3,207	3,195	3,135	3,179	+0.4	+1.9	-1.4	3,206	3,167	3,146	3,178	3,299
	Nondurable goods industries.....	14,249	14,347	14,164	14,477	-0.7	+1.3	-2.2	14,423	14,499	14,185	14,392	15,465
20	Food and kindred products.....	1,762	1,785	1,808	1,844	-1.3	-1.3	-2.0	1,773	1,771	1,819	1,848	2,002
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,043	2,024	2,022	1,977	+0.9	+0.1	+2.3	2,068	2,057	2,038	2,030	2,080
26	Paper and allied products.....	1,033	1,026	1,017	1,044	+0.7	+0.9	-2.6	1,051	1,049	1,028	1,038	1,030
28	Chemicals and allied products.....	3,276	3,331	3,269	3,275	-1.7	+1.9	-0.2	3,339	3,384	3,296	3,285	3,525
29	Petroleum and coal products.....	1,928	1,846	1,857	1,901	+4.4	-0.6	-2.3	1,943	1,892	1,872	1,871	2,239
30	Rubber and plastics products.....	938	981	909	1,013	-4.4	+7.9	-10.3	939	1,002	913	1,012	1,182
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,226	82,042	82,413	83,292	+0.2	-0.5	-1.1	83,698	83,419	83,005	84,285	90,012
	Durable goods industries.....	43,571	43,528	43,465	43,742	+0.1	+0.1	-0.6	45,040	44,880	44,390	44,540	49,209
32	Stone, clay, and glass products...	3,029	3,019	3,002	3,008	+0.3	+0.6	-0.2	3,183	3,143	3,116	3,132	3,252
33	Primary metals	6,193	6,032	5,699	5,744	+2.7	+5.8	-0.8	6,311	6,279	5,905	5,924	6,805
34	Fabricated metal products.....	4,611	4,675	4,691	4,653	-1.4	-0.3	+0.8	4,804	4,839	4,807	4,796	5,671
35	Machinery, except electrical.....	11,579	11,710	11,830	12,022	-1.1	-1.0	-1.6	11,921	11,945	11,998	12,100	13,774
36	Electrical Machinery.....	5,368	5,358	5,370	5,402	+0.2	-0.2	-0.6	5,651	5,547	5,486	5,504	6,354
37	Transportation equipment.....	4,855	4,905	4,970	5,024	-1.0	-1.3	-1.1	4,890	4,958	4,981	5,075	5,075
38	Instruments and related products..	2,380	2,335	2,351	2,391	+1.9	-0.7	-1.7	2,510	2,422	2,348	2,363	2,567
24,25, 39	All other durable goods.....	5,556	5,494	5,552	5,498	+1.1	-1.0	+1.0	5,770	5,747	5,749	5,646	5,711
	Nondurable goods industries.....	38,655	38,514	38,948	39,550	+0.4	-1.1	-1.5	38,658	38,539	38,615	39,745	40,803
20	Food and kindred products.....	11,281	11,052	11,158	11,268	+2.1	-0.9	-1.0	10,501	10,555	10,655	11,233	10,531
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,408	2,362	2,331	2,339	+1.9	+1.3	-0.3	2,516	2,428	2,389	2,395	2,551
26	Paper and allied products.....	3,124	3,140	3,165	3,151	-0.5	-0.8	+0.4	3,329	3,278	3,236	3,175	3,458
28	Chemicals and allied products.....	8,818	8,817	8,769	8,731	0.0	+0.5	+0.4	8,888	8,949	8,877	9,082	9,863
29	Petroleum and coal products.....	4,264	4,374	4,663	5,260	-2.5	-6.2	-11.3	4,086	4,218	4,506	5,098	4,292
30	Rubber and plastics products.....	2,693	2,688	2,766	2,715	+0.2	-2.8	+1.9	2,848	2,900	2,934	2,821	3,156
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		May 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983	May 1983[p]	Apr. 1983[r]	Mar. 1983	Feb. 1983
	All manufacturing industries	1.54	1.58	1.59	1.65	3.64	3.69	3.68	3.79
	Durable goods industries	2.06	2.11	2.13	2.21	4.46	4.53	4.52	4.67
32	Stone, clay, and glass products	1.45	1.49	1.51	1.51	0.53	0.54	0.54	0.52
33	Primary metals	2.16	2.29	2.26	2.50	2.43	2.52	2.53	2.71
34	Fabricated metal products	1.72	1.80	1.80	1.85	2.29	2.41	2.46	2.49
35	Machinery, except electrical	2.63	2.71	2.72	3.00	4.06	4.14	4.05	4.38
36	Electrical machinery	2.09	2.07	2.11	2.19	4.97	4.91	4.97	5.11
37	Transportation equipment	2.06	2.09	2.11	2.08	11.78	11.59	11.47	11.38
38	Instruments and related products	2.28	2.25	2.24	2.26	1.85	1.82	1.81	1.82
	Nondurable goods industries	1.03	1.06	1.07	1.11	0.55	0.55	0.55	0.54
20	Food and kindred products	0.86	0.88	0.87	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	3.27	3.72	2.92	3.82	(X)	(X)	(X)	(X)
22	Textile mill products	1.48	1.49	1.48	1.56	1.31	1.30	1.30	1.32
26	Paper and allied products	1.20	1.19	1.25	1.28	0.45	0.45	0.45	0.43
28	Chemicals and allied products	1.25	1.33	1.32	1.32	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.55	0.54	0.59	0.70	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.34	1.37	1.40	1.43	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago May 1982	All Mays 1978-1982	May 1982-Apr. 1983	Year ago May 1982	All Mays 1978-1982	May 1982-Apr. 1983	Year ago May 1982	All Mays 1978-1982	May 1982-Apr. 1983	Year ago May 1982	All Mays 1978-1982	May 1982-Apr. 1983
	All manufacturing industries	0.0	0.2	0.3	0.0	0.3	0.3	0.0	0.1	0.2	0.0	0.1	0.1
	Durable goods industires	0.1	0.2	0.3	0.2	0.3	0.7	0.0	0.0	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products	0.4	0.9	1.3	1.0	1.1	1.4	1.4	0.9	1.7	0.1	0.2	0.6
33	Primary metals	0.3	0.3	0.8	1.3	0.9	1.3	0.3	0.3	0.3	0.2	0.2	0.4
34	Fabricated metal products	0.1	0.6	1.1	0.4	1.1	2.1	0.1	0.2	0.5	0.0	0.2	0.3
35	Machinery, except electrical	0.9	1.0	0.7	1.4	1.3	2.2	0.4	0.3	0.5	0.0	0.1	0.2
36	Electrical machinery	1.4	0.4	0.6	0.5	0.6	0.8	0.2	0.2	0.2	0.1	0.1	0.3
37	Transportation equipment	0.1	0.4	1.0	1.3	2.2	1.5	0.1	0.1	0.2	0.2	0.2	0.2
38	Instruments and related products	1.2	0.9	1.0	4.0	1.6	1.5	1.6	1.0	0.8	0.8	0.4	0.6
	Nondurable goods industries	0.2	0.5	0.4	0.2	0.6	0.4	0.5	0.9	0.6	0.2	0.1	0.3
20	Food and kindred products	2.2	0.8	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6	0.8
21	Tobacco products	0.0	3.8	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.0
22	Textile mill products	0.4	0.8	1.6	0.7	2.1	1.8	0.3	1.3	1.1	0.1	0.2	0.6
26	Paper and allied products	0.8	1.1	1.3	0.5	1.2	2.0	2.2	0.8	1.9	0.7	0.3	0.4
28	Chemicals and allied products	0.4	1.1	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3	0.4
29	Petroleum and coal products	1.6	0.8	0.9	(X)	(X)	(X)	(X)	(X)	(X)	3.0	1.0	1.2
30	Rubber and plastics products	0.2	1.3	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.9	0.9
	Capital Goods Industries:												
	Nondefense	0.8	0.7	0.9	0.9	1.4	1.8	0.1	0.2	0.5	0.1	0.1	0.2
	Defense	1.7	0.7	0.9	2.4	1.3	3.6	0.1	0.1	0.3	0.1	0.4	0.4

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C
3.158:
M 3-1(83)-6

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

WASHINGTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

JUNE 1983

M3-1(83)-6

FOR WIRE TRANSMISSION 3:00 P.M. E.D.T. Tuesday, August 2, 1983

New orders for manufactured goods in June increased $6.7 billion or 3.9 percent from May to $176.8 billion, the Department of Commerce, Bureau of the Census reported today. This is the largest monthly increase since September 1980 when new orders increased 4.6 percent. In June the value of shipments of manufactured goods increased $4.4 billion or 2.6 percent to $172.5 billion. Both the new orders and shipments have increased 7 of the last 8 months but the incoming orders have exceeded shipments by $15.4 billion since last October. The higher volume of incoming orders has resulted in unfilled orders increases for 6 of the last 7 months. At the end of June the backlog of orders held by manufacturers was $315.2 billion, $4.3 billion or 1.4 percent above the May level and $17.1 billion above the November 1982 low of $298.1 billion.

The book value of inventories held by manufacturers at the end of June was $257.2 billion, 0.4 percent or $1.0 billion below the May level. Except for a 0.3 percent increase in May and virtually no change in April, the inventory levels have been declining since November 1981 when they were valued at $284.3 billion.

Durable goods new orders increased $5.1 billion or 6.0 percent to $89.9 billion, the largest 1-month increase since the January 8.1 percent rise. Most of the June increase was attributable to orders for defense capital goods. Excluding the defense industries, the June durable goods orders increased $1.6 billion or 2.0 percent.

New orders for transportation equipment increased $4.7 billion or 25 percent over May. Over three fourths of the transportation equipment increase was for defense orders for aircraft, aircraft parts and shipbuilding. When the industries are regrouped into the capital goods series the orders for defense capital goods were $8.3 billion, $3.5 billion or 74 percent above May. Again, most of that increase was a result of aircraft and aircraft parts orders. Nondefense capital goods orders increased $1.0 billion or 4.3 percent to $23.3 billion with the commercial aircraft and office and computing machine industries causing the rise.

Increases in orders for nonferrous and other primary metals only partially offset steel order declines, resulting in a drop in orders for primary metals industries of $0.1 billion or 1.2 percent.

Within the machinery industries, declines were reported in both the electrical and nonelectrical segments. In the nonelectrical machinery all industries except for the office and computing machine industry contributed to the $0.4 billion or 2.4 percent decline. In the electrical machinery group, industry increases and decreases resulted in a $0.1 billion or 0.9 percent decline.

All major industry groups contributed to the $3.0 billion or 3.6 percent increase in the durable goods industry shipments. Shipments of aircraft and aircraft parts and motor vehicle and parts caused transportation equipment industry shipments to increase $1.3 billion or 6.8 percent to $20.6 billion. Electrical machinery industry shipments increased $0.6 billion or 5.1 percent to $13.4 billion, with all industries contributing to the increase.

Shipments of nondurable goods rose in June for the fourth successive month to $86.6 billion. This was a $1.4 billion or 1.6 percent increase over May. Nearly all major industry groups showed increases.

The backlog of orders for durable goods in June increased $4.0 billion or 1.3 percent to $305.0 billion. Excluding the defense backlog, the durable goods unfilled orders were $198.0 billion, up $1.0 billion or 0.5 percent from May. The June backlog of orders for defense capital goods was $107.0 billion, $3.0 billion or 2.9 percent above May. This continued the upward trend which began in January 1980, when the defense backlog was estimated at $49.9 billion. The backlog of orders for nondefense capital goods increased for the third consecutive month. The June increase was $0.3 billion or 0.2 percent to $120.1 billion. Prior to these increases, the nondefense backlog had been steadily declining since February 1981.

The book value of inventories held by durable goods manufacturers declined in June by $1.1 billion or 0.7 percent to $169.6 billion. Except for small increases in May and April, the inventory level has been declining since November 1981. Most major industry groups contributed to the June inventory declines. The largest drop was in the aircraft and parts component of the transportation equipment where there was a decline of $0.6 billion or 2.2 percent. This is the fifth decline in the last 6 months for the aircraft industry following 5 years of steady increases.

Inventories held by producers of nondurable goods increased in June, up $0.2 billion or 0.2 percent to $87.6 billion. Increases in tobacco, textile mill products, and apparel industries more than offset declines in the other industries.

The advance report on durable goods for July is scheduled for release on August 19, 1983, and the full report is scheduled for release on August 30, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.
For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	May-June[p]	Apr.-May[r]	Mar.-Apr.	June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	1983[p]	1982
	All manufacturing industries	172,516	168,155	163,372	161,803	+2.6	+2.9	+1.0	181,061	169,150	164,679	170,007	990,998	972,98
	Manufacturing industries with unfilled orders	88,289	85,501	83,795	83,196	+3.3	+2.0	+0.7	93,037	85,829	84,400	88,105	507,116	504,76
	Durable goods industries	85,938	82,964	80,548	79,595	+3.6	+3.0	+1.2	91,822	84,265	82,387	85,247	491,975	477,92
	With unfilled orders	69,883	67,398	66,009	65,542	+3.7	+2.1	+0.7	74,298	67,845	66,651	69,873	400,592	403,42
32	Stone, clay, and glass products	4,112	4,039	3,885	3,822	+1.8	+4.0	+1.6	4,476	4,108	3,962	3,887	23,350	21,86
322	Glass containers	417	422	405	400	-1.2	+4.2	+1.3	464	430	407	434	2,487	2,44
33	Primary metals	9,596	9,481	8,958	8,925	+1.2	+5.8	+0.4	10,047	9,714	9,448	9,482	55,428	59,60
331	Blast furnaces, steel mills	3,928	3,782	3,588	3,594	+3.9	+5.4	-0.2	4,112	3,774	3,792	3,896	22,223	27,70
333-9	Nonferrous and other primary metals	4,645	4,702	4,434	4,515	-1.2	+6.0	-1.8	4,817	4,876	4,656	4,727	27,578	26,18
34	Fabricated metal products	10,083	10,079	9,617	9,515	0.0	+4.8	+1.1	10,786	10,250	9,828	10,074	58,781	58,89
341	Metal cans, barrels, and drums	935	932	909	868	+0.3	+2.5	+4.7	1,035	967	900	893	5,481	5,85
35	Machinery, except electrical	14,624	14,429	14,117	14,191	+1.4	+2.2	-0.5	15,870	14,315	14,038	15,424	85,246	95,80
351	Engines and turbines	1,033	1,001	960	929	+3.2	+4.3	+3.3	1,120	999	974	1,073	6,044	7,21
352	Farm machinery and equipment	891	937	905	864	-4.9	+3.5	+4.7	979	1,013	1,009	1,037	5,704	6,57
353	Construction, mining, and material handling equipment	2,534	2,370	2,110	2,062	+6.9	+12.3	+2.3	2,643	2,385	2,180	2,163	13,352	18,86
354	Metalworking machinery	599	643	638	588	-6.8	+0.8	+8.5	664	623	618	670	3,858	5,35
356	General industrial machinery	1,186	1,107	1,128	1,137	+7.1	-1.9	-0.8	1,287	1,128	1,125	1,191	7,049	8,13
357	Office and computing machines	3,530	3,606	3,755	4,142	-2.1	-4.0	-9.3	3,820	3,329	3,372	4,391	20,741	19,40
36	Electrical machinery	13,387	12,738	12,619	12,364	+5.1	+0.9	+2.1	14,192	12,605	12,545	12,967	75,565	71,25
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,782	1,682	1,781	1,790	+5.9	-5.6	-0.5	1,918	1,729	1,790	1,909	10,799	11,55
363	Household appliances	1,269	1,258	1,201	1,163	+0.9	+4.7	+3.3	1,379	1,237	1,198	1,231	7,284	5,94
365	Radio and TV	753	732	759	676	+2.9	-3.6	+12.3	858	640	642	652	4,011	3,90
366	Communication equipment	4,260	3,943	3,994	3,842	+8.0	-1.3	+4.0	4,562	3,992	4,097	4,124	23,942	22,11
367	Electronic components	3,082	2,922	2,688	2,856	+5.5	+8.7	-5.9	3,165	2,916	2,763	2,944	17,062	15,93
37	Transportation equipment	20,616	19,301	18,763	18,530	+6.8	+2.9	+1.3	22,269	20,290	19,902	20,529	118,226	100,84
371	Motor vehicles and parts	12,873	12,341	11,259	11,037	+4.3	+9.6	+2.0	14,115	13,135	12,264	12,346	73,423	59,11
372,6	Aircraft, missiles, and parts	6,250	5,508	5,924	5,955	+13.5	-7.0	-0.5	6,618	5,638	5,950	6,489	35,371	31,31
3731	Shipbuilding and military tank vehicles	820	770	854	873	+6.5	-9.8	-2.2	842	823	832	907	5,122	6,06
38	Instruments and related products	4,058	3,964	3,971	3,946	+2.4	-0.2	+0.6	4,347	3,906	3,892	4,204	23,922	24,40
381-4	Scientific and engineering instruments	2,350	2,308	2,297	2,312	+1.8	+0.5	-0.6	2,508	2,264	2,297	2,504	14,145	14,14
386	Photographic goods	1,510	1,454	1,466	1,438	+3.9	-0.8	+1.9	1,632	1,440	1,393	1,490	8,594	9,10
24,25, 39	All other durable goods	9,462	8,933	8,618	8,302	+5.9	+3.7	+3.8	9,835	9,077	8,772	8,680	51,457	45,24
	Nondurable goods industries	86,578	85,191	82,824	82,208	+1.6	+2.9	+0.7	89,239	84,885	82,292	84,760	499,023	495,06
	With unfilled orders	18,406	18,103	17,786	17,654	+1.7	+1.8	+0.7	18,739	17,984	17,749	18,232	106,524	101,34
20	Food and kindred products	24,404	24,339	23,460	23,778	+0.3	+3.7	-1.3	25,169	23,904	22,835	24,454	141,362	137,68
201	Meat products	5,848	5,710	5,664	5,711	+2.4	+0.8	-0.8	5,830	5,659	5,398	5,562	33,253	32,36
208	Beverages	3,536	3,662	3,491	3,497	-3.4	+4.9	-0.2	4,049	3,819	3,554	3,423	20,915	20,34
207	Fats and oils	1,463	1,442	1,234	1,212	+1.5	+16.9	+1.8	1,413	1,352	1,203	1,303	7,907	8,07
203-6,9	All other foods	10,429	10,313	9,956	10,176	+1.1	+3.6	-2.2	10,627	9,859	9,568	10,959	60,449	57,95
21	Tobacco products	1,759	1,405	1,267	1,572	+25.2	+10.9	-19.4	1,800	1,414	1,269	1,476	8,126	6,92
22	Textile mill products	4,389	4,270	4,166	4,173	+2.8	+2.5	-0.2	4,757	4,332	4,140	4,557	25,180	23,92
26	Paper and allied products	7,062	6,918	6,994	6,695	+2.1	-1.1	+4.5	7,357	6,975	7,070	7,058	41,779	40,24
261-3,6	Pulp, paper etc.	3,019	2,910	2,937	2,812	+3.7	-0.9	+4.4	3,160	2,995	2,998	3,001	17,762	17,36
265	Paperboard containers	1,577	1,548	1,516	1,497	+1.9	+2.1	+1.3	1,628	1,554	1,546	1,580	9,289	9,27
264	All other paper products	2,466	2,460	2,541	2,386	+0.2	-3.2	+6.5	2,569	2,426	2,526	2,477	14,728	13,60
28	Chemicals and allied products	15,789	15,681	14,635	14,716	+0.7	+7.1	-0.6	16,602	16,307	15,351	16,109	93,194	90,38
281,6	Industrial chemicals, except pigments	5,034	4,871	4,687	4,412	+3.3	+3.9	+6.2	5,261	4,944	4,893	4,995	28,865	29,47
283,4	Drugs, soaps, and toiletries	3,983	4,164	3,929	4,062	-4.3	+6.0	-3.3	4,187	3,877	3,788	4,326	24,271	24,30
29	Petroleum and coal products	16,164	15,729	15,877	15,068	+2.8	-0.9	+5.4	16,446	15,730	15,431	14,781	91,835	102,86
30	Rubber and plastics products	4,429	4,231	4,130	4,017	+4.7	+2.4	+2.8	4,655	4,237	4,280	4,148	25,351	25,61
23,27, 31	All other nondurable goods	12,582	12,618	12,295	12,189	-0.3	+2.6	+0.9	12,453	11,986	11,916	12,177	72,196	67,43
	Market categories:													
	Home goods and apparel	11,954	11,769	11,716	11,208	+1.6	+0.5	+4.5	12,263	11,182	11,220	11,709	67,587	63,71
	Consumer staples	32,681	32,423	31,133	32,055	+0.8	+4.1	-2.9	33,725	31,756	30,515	32,684	188,483	181,38
	Equipment and defense products, except automotive	24,749	23,448	23,992	23,797	+5.5	-2.3	+0.8	26,576	23,539	23,886	25,718	143,443	148,83
	Automotive equipment	14,810	14,242	13,139	12,902	+4.0	+8.4	+1.8	16,162	15,110	14,375	14,327	84,769	68,71
	Construction materials, supplies and intermediate products	13,408	13,039	12,333	12,291	+2.8	+5.7	+0.3	14,511	13,402	12,670	12,458	74,865	67,07
	Other materials, supplies, and intermediate products	74,914	73,234	71,059	69,550	+2.3	+3.1	+2.2	77,824	74,161	72,013	73,111	431,851	443,26
	Supplementary series:[2]													
	Capital goods industries	28,352	26,788	27,402	27,153	+5.8	-2.2	+0.9	30,311	26,739	27,085	29,209	162,992	168,65
	Nondefense	23,018	21,612	22,131	22,037	+6.5	-2.3	+0.4	24,732	21,467	21,846	23,727	131,633	141,87
	Defense	5,334	5,176	5,271	5,116	+3.1	-1.8	+3.0	5,579	5,272	5,239	5,482	31,359	26,81
	Household durable goods industries	5,603	5,284	5,252	4,971	+6.0	+0.6	+5.7	5,732	5,152	5,127	5,296	30,510	28,58

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	May-June[p]	Apr.-May[r]	Mar.-Apr.	June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	1983[p]	1982
	All manufacturing industries	176,782	170,086	166,331	162,587	+3.9	+2.3	+2.3	182,043	168,612	167,206	172,686	1,005,408	964,191
	Manufacturing industries with unfilled orders	92,555	87,432	86,754	83,980	+5.9	+0.8	+3.3	94,019	85,291	86,927	90,784	521,526	495,973
	Durable goods industries	89,891	84,773	83,407	79,951	+6.0	+1.6	+4.3	92,732	83,631	84,710	87,411	505,208	469,923
	With unfilled orders	73,836	69,207	68,868	65,898	+6.7	+0.5	+4.5	75,208	67,211	68,974	72,037	413,825	395,427
32	Stone, clay, and glass products	4,120	4,061	3,913	3,884	+1.5	+3.8	+0.7	4,443	4,163	4,020	3,938	23,630	21,484
33	Primary metals	9,841	9,963	8,952	9,183	-1.2	+11.3	-2.5	9,610	9,546	9,143	9,981	58,083	55,293
331	Blast furnaces, steel mills	3,834	4,173	3,481	3,777	-8.1	+19.9	-7.8	3,555	3,695	3,586	4,222	23,516	24,660
333-9	Nonferrous and other primary metals	4,910	4,714	4,519	4,553	+4.2	+4.3	-0.7	4,932	4,760	4,576	4,865	28,821	25,539
34	Fabricated metal products	10,315	10,035	9,366	9,715	+2.8	+7.1	-3.6	10,960	10,146	9,548	10,555	58,834	56,765
35	Machinery, except electrical	14,666	15,030	14,806	14,330	-2.4	+1.5	+3.3	15,807	14,637	14,571	15,396	85,141	87,335
351	Engines and turbines	774	1,171	871	838	-33.9	+34.4	+3.9	720	1,136	862	998	5,473	6,159
353	Construction, mining, and material handling equipment	2,512	2,539	2,122	1,971	-1.1	+19.7	+7.7	2,605	2,426	2,176	2,075	13,136	15,316
354	Metalworking machinery	628	694	619	531	-9.5	+12.1	+16.6	701	654	609	603	3,673	3,738
356	General industrial machinery	1,081	1,096	1,117	1,070	-1.4	-1.9	+4.4	1,150	1,121	1,095	1,132	6,825	7,552
357	Office and computing machines	4,077	3,649	4,510	4,318	+11.7	-19.1	+4.4	4,545	3,481	4,134	4,447	21,871	19,549
36	Electrical machinery	13,719	13,849	13,181	12,526	-0.9	+5.1	+5.2	14,155	13,372	13,242	13,447	79,556	75,235
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,906	1,480	1,778	1,718	+28.8	-16.8	+3.5	1,982	1,526	1,834	1,869	10,679	11,008
363	Household appliances	1,236	1,281	1,223	1,204	-3.5	+4.7	+1.6	1,355	1,269	1,223	1,277	7,434	5,978
365	Radio and TV	677	983	686	540	-31.1	+43.3	+27.0	879	878	538	499	4,074	4,040
366	Communication equipment	4,780	4,339	4,354	3,955	+10.2	-0.3	+10.1	4,491	4,245	4,334	4,467	25,891	25,914
367	Electronic components	2,860	3,561	2,984	3,084	-19.7	+19.3	-3.2	3,110	3,370	3,279	3,226	18,942	16,490
37	Transportation equipment	23,313	18,621	20,226	17,953	+25.2	-7.9	+12.7	23,257	18,427	20,999	20,861	122,541	103,269
372,6	Aircraft, missiles, and parts	8,397	4,349	7,162	5,946	+93.1	-39.3	+20.5	7,835	3,863	6,705	7,247	39,486	35,409
373	Shipbuilding and military tank vehicles	1,151	1,170	796	346	-1.6	+47.0	+130.1	512	774	1,064	560	5,080	5,877
38	Instruments and related products	4,207	4,045	4,072	3,874	+4.0	-0.7	+5.1	4,556	3,929	3,961	4,221	24,487	24,501
24,25, 39	All other durable goods	9,710	9,169	8,891	8,486	+5.9	+3.1	+4.8	9,944	9,411	9,226	9,012	52,936	46,041
	Nondurable goods industries	86,891	85,313	82,924	82,636	+1.8	+2.9	+0.3	89,311	84,981	82,496	85,275	500,200	494,268
	With unfilled orders	18,719	18,225	17,886	18,082	+2.7	+1.9	-1.1	18,811	18,080	17,953	18,747	107,701	100,546
	Market categories:													
	Home goods and apparel	11,987	12,210	11,702	11,101	-1.8	+4.3	+5.4	12,309	11,704	11,433	11,763	68,854	64,611
	Consumer staples	32,647	32,439	31,133	32,036	+0.6	+4.2	-2.8	33,696	31,719	30,486	32,648	188,403	181,378
	Equipment and defense products, except automotive	27,115	23,708	26,718	22,261	+14.4	-11.3	+20.0	27,077	22,460	25,827	25,443	147,714	150,230
	Automotive equipment	15,023	14,303	13,417	12,806	+5.0	+6.6	+4.8	16,273	15,054	14,480	14,191	84,985	67,380
	Construction materials, supplies and intermediate products	13,441	12,776	12,219	12,815	+5.2	+4.6	-4.7	14,483	13,251	12,630	13,108	75,267	65,898
	Other materials, supplies, and intermediate products	76,569	74,650	71,142	71,568	+2.6	+4.9	-0.6	78,205	74,424	72,350	75,533	440,185	434,694
	Supplementary series:[2]													
	Capital goods industries	31,588	27,084	29,671	26,601	+16.6	-8.7	+11.5	31,205	25,501	28,890	29,914	169,229	167,683
	Nondefense	23,265	22,302	22,592	20,032	+4.3	-1.3	+12.8	24,510	21,388	22,093	22,414	129,149	130,884
	Defense	8,323	4,782	7,079	6,569	+74.0	-32.4	+7.8	6,695	4,113	6,797	7,500	40,080	36,799
	Household durable goods industries	5,608	5,701	5,249	4,940	-1.6	+8.6	+6.3	5,761	5,639	5,313	5,382	31,694	29,496

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	May-June[p]	Apr.-May[r]	Mar.-Apr.	June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	June 1982
	All manufacturing industries..	315,211	310,945	309,015	306,053	+1.4	+0.6	+1.0	314,142	313,160	313,705	311,178	312,608
	Durable goods industries.....	305,033	301,076	299,270	296,407	+1.3	+0.6	+1.0	303,989	303,078	303,720	301,397	303,637
32	Stone, clay, and glass products...	1,907	1,899	1,877	1,848	+0.4	+1.2	+1.6	1,935	1,968	1,914	1,855	1,871
33	Primary metals.....	23,288	23,042	22,561	22,567	+1.1	+2.1	0.0	22,947	23,383	23,551	23,857	22,131
331	Blast furnaces, steel mills.....	13,578	13,672	13,281	13,388	-0.7	+2.9	-0.8	13,361	13,918	13,998	14,205	12,941
333-9	Nonferrous and other primary metals.....	7,344	7,079	7,067	6,982	+3.7	+0.2	+1.2	7,307	7,192	7,307	7,387	6,671
34	Fabricated metal products.....	21,192	20,961	21,003	21,255	+1.1	-0.2	-1.2	21,292	21,119	21,223	21,503	26,295
35	Machinery, except electrical.....	55,331	55,287	54,690	53,999	+0.1	+1.1	+1.3	55,426	55,488	55,167	54,633	64,754
351	Engines and turbines.....	14,629	14,888	14,719	14,806	-1.7	+1.1	-0.6	14,488	14,888	14,750	14,863	16,690
353	Construction, mining, and material handling equipment....	5,449	5,471	5,303	5,291	-0.4	+3.2	+0.2	5,417	5,455	5,414	5,418	7,872
354	Metalworking machinery.....	2,224	2,195	2,145	2,164	+1.3	+2.3	-0.9	2,211	2,173	2,143	2,151	3,346
356	General industrial machinery....	4,469	4,573	4,585	4,596	-2.3	-0.3	-0.2	4,469	4,605	4,613	4,642	5,726
357	Office and computing machines...	18,822	18,275	18,232	17,477	+3.0	+0.2	+4.3	19,274	18,549	18,396	17,634	20,039
36	Electrical machinery.....	63,411	63,078	61,967	61,408	+0.5	+1.8	+0.9	63,597	63,634	62,869	62,173	57,067
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,612	6,488	6,690	6,693	+1.9	-3.0	0.0	6,642	6,578	6,780	6,737	7,181
363	Household appliances.....	424	458	435	414	-7.4	+5.3	+5.1	455	479	448	423	310
365	Radio and TV.....	456	532	281	355	-14.3	+89.3	-20.8	470	448	211	314	565
366	Communication equipment.....	40,626	40,105	39,710	39,351	+1.3	+1.0	+0.9	40,454	40,526	40,274	40,037	34,872
367	Electronic components.....	14,017	14,238	13,598	13,302	-1.6	+4.7	+2.2	14,297	14,352	13,898	13,382	12,871
37	Transportation equipment.....	127,479	124,783	125,463	123,997	+2.2	-0.5	+1.2	126,160	125,171	127,036	125,940	118,709
372,6	Aircraft, missiles, and parts...	98,101	95,954	97,112	95,873	+2.2	-1.2	+1.3	97,464	96,247	98,024	97,270	93,336
3731	Shipbuilding and military tank vehicles.....	23,151	22,822	22,422	22,479	+1.4	+1.8	-0.3	22,704	23,033	23,082	22,850	19,578
38	Instruments and related products..	7,471	7,320	7,239	7,137	+2.1	+1.1	+1.4	7,540	7,331	7,309	7,240	7,269
24,25, 39	All other durable goods.....	4,954	4,706	4,470	4,196	+5.3	+5.3	+6.5	5,092	4,984	4,651	4,196	4,846
	Nondurable goods industries.....	10,178	9,869	9,745	9,646	+3.1	+1.3	+1.0	10,153	10,082	9,985	9,781	8,971
	Market categories:												
	Home goods and apparel.....	4,045	4,015	3,575	3,589	+0.7	+12.3	-0.4	4,270	4,224	3,704	3,490	4,592
	Consumer staples.....	741	775	759	759	-4.4	+2.1	0.0	685	714	751	780	756
	Equipment and defense products, except automotive.....	188,080	185,713	185,457	182,729	+1.3	+0.1	+1.5	187,311	186,808	187,891	185,949	186,857
	Automotive equipment.....	5,787	5,573	5,512	5,234	+3.8	+1.1	+5.3	5,567	5,456	5,512	5,407	5,130
	Construction materials, supplies and intermediate products.....	12,659	12,627	12,889	13,003	+0.3	-2.0	-0.9	12,848	12,876	13,028	13,068	15,551
	Other materials, supplies, and intermediate products	103,899	102,242	100,823	100,739	+1.6	+1.4	+0.1	103,461	103,082	102,819	102,484	99,722
	Supplementary series:[2]												
	Capital goods industries.....	227,092	223,854	223,562	221,290	+1.4	+0.1	+1.0	225,951	225,056	226,297	224,494	223,107
	Nondefense.....	120,058	119,808	119,122	118,658	+0.2	+0.6	+0.4	119,795	120,017	120,098	119,853	134,424
	Defense.....	107,034	104,046	104,440	102,632	+2.9	-0.4	+1.8	106,156	105,039	106,199	104,641	88,68
	Household durable goods industries.....	3,576	3,572	3,156	3,159	+0.1	+13.2	-0.1	3,780	3,750	3,266	3,079	4,09

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	Percent change: May-June[p]	Apr.-May[r]	Mar.-Apr.	Not seasonally adjusted[1]: End of month: June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	June 1982
	All manufacturing industries..	257,191	258,149	257,397	257,304	-0.4	+0.3	0.0	257,703	260,480	260,170	259,430	275,461
	Manufacturing industries with unfilled orders.....	175,886	176,910	176,177	175,876	-0.6	+0.4	+0.2	177,279	179,163	178,223	177,323	190,588
	Durable goods industries.....	169,617	170,734	169,814	169,377	-0.7	+0.5	+0.3	170,394	172,589	171,819	171,120	183,581
	With unfilled orders.....	155,429	156,542	155,871	155,516	-0.7	+0.4	+0.2	156,198	158,170	157,503	156,783	168,789
32	Stone, clay, and glass products...	5,699	5,727	5,783	5,786	-0.5	-1.0	-0.1	5,801	5,923	5,975	5,963	6,208
322	Class containers.....	637	640	654	653	-0.5	-2.1	+0.2	644	658	668	652	656
33	Primary metals.....	20,302	20,563	20,543	20,174	-1.3	+0.1	+1.8	20,152	20,584	20,660	20,298	23,970
331	Blast furnaces, steel mills.....	9,799	9,961	10,008	9,770	-1.6	-0.5	+2.4	9,672	9,851	9,848	9,603	12,384
333-9	Nonferrous and other primary metals.....	9,327	9,434	9,362	9,269	-1.1	+0.8	+1.0	9,299	9,528	9,587	9,520	10,342
34	Fabricated metal products.....	17,382	17,310	17,264	17,121	+0.4	+0.3	+0.8	17,675	17,726	17,670	17,524	19,958
341	Metal cans, barrels, and drums..	1,953	2,040	1,938	1,872	-4.3	+5.3	+3.5	2,171	2,293	2,194	2,069	2,033
35	Machinery, except electrical.....	37,902	38,197	38,269	38,636	-0.8	-0.2	-0.9	38,118	38,686	38,684	38,806	43,357
351	Engines and turbines.....	2,151	2,178	2,178	2,211	-1.2	0.0	-1.5	2,152	2,198	2,212	2,221	2,670
352	Farm machinery and equipment....	1,979	1,901	1,913	1,882	+4.1	-0.6	+1.6	2,025	1,964	1,997	1,986	2,580
353	Construction, mining, and material handling equipment....	7,756	7,991	8,115	8,347	-2.9	-1.5	-2.8	7,826	8,103	8,220	8,430	10,406
354	Metalworking machinery.....	2,233	2,272	2,251	2,298	-1.7	+0.9	-2.0	2,242	2,296	2,269	2,279	2,720
356	General industrial machinery....	3,821	3,924	3,937	3,952	-2.6	-0.3	-0.4	3,855	3,947	3,973	3,984	4,137
357	Office and computing machines...	9,879	9,827	9,797	9,805	+0.5	+0.3	-0.1	9,889	9,905	9,748	9,668	9,580
36	Electrical machinery.....	26,624	26,424	26,165	26,085	+0.8	+1.0	+0.3	27,004	26,946	26,609	26,292	27,912
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,976	3,975	3,954	4,006	0.0	+0.5	-1.3	4,013	4,060	4,011	3,985	4,520
363	Household appliances.....	1,914	1,829	1,841	1,833	+4.6	-0.7	+0.4	2,008	1,962	1,948	1,879	2,008
365	Radio and TV.....	961	944	976	974	+1.8	-3.3	+0.2	989	991	985	952	1,320
366	Communication equipment.....	10,444	10,399	10,169	10,051	+0.4	+2.3	+1.2	10,455	10,477	10,297	10,188	10,100
367	Electronic components.....	5,351	5,353	5,320	5,356	0.0	+0.6	-0.7	5,442	5,406	5,373	5,388	5,659
37	Transportation equipment.....	39,110	39,826	39,278	39,150	-1.8	+1.4	+0.3	38,781	39,739	39,424	39,554	38,072
371	Motor vehicles and parts.....	8,399	8,466	8,367	8,144	-0.8	+1.2	+2.7	8,115	8,333	8,328	8,239	8,242
372,6	Aircraft, missiles, and parts...	27,775	28,390	28,045	28,053	-2.2	+1.2	0.0	27,772	28,466	28,209	28,325	26,462
3731	Shipbuilding and military tank vehicles.....	1,563	1,615	1,598	1,594	-3.2	+1.1	+0.3	1,581	1,605	1,603	1,590	1,782
38	Instruments and related products..	8,864	8,965	8,927	8,830	-1.1	+0.4	+1.1	9,064	9,153	9,088	8,914	9,792
381-4	Scientific and engineering instruments.....	6,376	6,489	6,474	6,419	-1.7	+0.2	+0.9	6,503	6,580	6,551	6,464	6,741
386	Photographic goods.....	1,962	1,956	1,925	1,907	+0.3	+1.6	+0.9	2,025	2,036	2,000	1,936	2,451
24,25, 39	All other durable goods.....	13,734	13,722	13,585	13,595	+0.1	+1.0	-0.1	13,799	13,832	13,709	13,769	14,307
	Nondurable goods industries.....	87,574	87,415	87,583	87,927	+0.2	-0.2	-0.4	87,309	87,891	88,351	88,310	91,880
	With unfilled orders.....	20,457	20,368	20,306	20,360	+0.4	+0.3	-0.3	21,081	20,993	20,720	20,540	21,799
20	Food and kindred products.....	20,357	20,496	20,536	20,654	-0.7	-0.2	-0.6	19,276	19,641	20,055	20,352	19,624
201	Meat products.....	1,888	2,043	2,021	2,027	-7.6	+1.1	-0.3	1,884	2,066	2,114	2,053	2,061
208	Beverages.....	3,717	3,685	3,599	3,583	+0.9	+2.4	+0.4	3,639	3,692	3,671	3,694	3,587
207	Fats and oils.....	1,181	1,226	1,359	1,246	-3.7	-9.8	+9.1	1,094	1,188	1,365	1,321	1,275
203-6,9	All other foods.....	11,852	11,833	11,861	12,097	+0.2	-0.2	-2.0	10,904	10,934	11,185	11,613	10,997
21	Tobacco products.....	4,718	4,609	4,707	4,596	+2.4	-2.1	+2.4	4,425	4,503	4,754	4,762	4,393
22	Textile mill products.....	6,494	6,349	6,225	6,180	+2.3	+2.0	+0.7	6,577	6,574	6,409	6,338	6,397
26	Paper and allied products.....	8,335	8,347	8,304	8,370	-0.1	+0.5	-0.8	8,553	8,597	8,507	8,459	8,81
261-3,6	Pulp, paper etc.	3,288	3,305	3,302	3,278	-0.5	+0.1	+0.7	3,330	3,373	3,348	3,307	3,389
265	Paperboard containers.....	2,145	2,155	2,162	2,162	-0.5	-0.3	0.0	2,231	2,218	2,213	2,173	2,337
264	All other paper products.....	2,902	2,887	2,840	2,930	+0.5	+1.7	-3.1	2,992	3,006	2,946	2,979	3,091
28	Chemicals and allied products.....	19,248	19,267	19,401	19,364	-0.1	-0.7	+0.2	19,171	19,521	19,760	19,662	20,999
281,6	Industrial chemicals, except pigments	5,787	5,862	5,932	5,907	-1.3	-1.2	+0.4	5,793	5,968	6,015	5,925	6,836
283,4	Drugs, soaps, and toiletries ...	6,181	6,206	6,186	6,198	-0.4	+0.3	-0.2	6,323	6,367	6,285	6,192	6,626
29	Petroleum and coal products	8,477	8,584	8,588	8,855	-1.2	0.0	-3.0	8,465	8,517	8,542	8,753	9,133
30	Rubber and plastics products.....	5,676	5,656	5,638	5,629	+0.4	+0.3	+0.2	5,732	5,822	5,901	5,789	6,316
23,27, 31	All other nondurable goods.....	14,269	14,107	14,184	14,279	+1.1	-0.5	-0.7	15,110	14,716	14,423	14,195	16,193
	Market categories:												
	Home goods and apparel.....	20,098	19,893	19,800	19,737	+1.0	+0.5	+0.3	21,017	20,767	20,189	19,794	22,24
	Consumer staples.....	33,005	32,982	32,998	33,192	+0.1	0.0	-0.6	31,957	32,276	32,726	33,025	32,709
	Equipment and defense products, except automotive.....	73,107	74,126	73,713	73,963	-1.4	+0.6	-0.3	73,430	74,804	74,405	74,573	77,983
	Automotive equipment.....	10,424	10,509	10,297	10,123	-0.8	+2.1	+1.7	10,098	10,406	10,331	10,330	10,48
	Construction materials, supplies and intermediate products.....	18,786	18,545	18,604	18,607	+1.3	-0.3	0.0	18,969	18,855	18,990	19,102	20,16.
	Other materials, supplies, and intermediate products	101,771	102,094	101,985	101,682	-0.3	+0.1	+0.3	102,232	103,372	103,529	102,606	111,87
	Supplementary series:[2]												
	Capital goods industries.....	83,089	84,006	83,447	83,740	-1.1	+0.7	-0.3	83,477	84,838	84,246	84,263	87,67
	Nondefense.....	65,997	66,766	66,597	66,916	-1.2	+0.3	-0.5	66,138	67,388	67,305	67,290	73,03
	Defense.....	17,092	17,240	16,850	16,824	-0.9	+2.3	+0.2	17,339	17,450	16,941	16,973	14,63
	Household durable goods industries.....	9,799	9,786	9,749	9,666	+0.1	+0.4	+0.9	10,069	10,105	9,929	9,737	10,82

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of Month				Percent change			End of Month				
		June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	May-June[r]	Apr.-May[r]	Mar.-Apr.	June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	June 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,348	85,174	84,990	84,831	+0.2	+0.2	+0.2	85,035	85,427	85,633	85,690	91,868
	Durable goods industries.....	50,209	50,582	50,268	50,016	-0.7	+0.6	+0.5	50,111	50,545	50,320	50,180	55,457
32	Stone, clay, and glass products...	1,909	1,928	1,950	1,982	-1.0	-1.1	-1.6	1,915	1,929	1,956	1,986	2,127
33	Primary metals	6,937	7,078	7,181	7,140	-2.0	-1.4	+0.6	6,809	6,901	7,000	7,085	8,678
34	Fabricated metal products.....	6,675	6,712	6,641	6,491	-0.6	+1.1	+2.3	6,694	6,771	6,734	6,637	7,298
35	Machinery, except electrical.....	10,711	10,998	10,912	10,919	-2.6	+0.8	-0.1	10,735	11,015	10,979	10,900	12,064
36	Electrical Machinery.....	7,272	7,206	7,117	7,250	+0.9	+1.3	-1.8	7,361	7,312	7,233	7,225	7,805
37	Transportation equipment.....	9,257	9,123	8,928	8,782	+1.5	+2.2	+1.7	9,246	9,179	8,972	8,889	9,160
38	Instruments and related products..	2,462	2,601	2,643	2,544	-5.3	-1.6	+3.9	2,494	2,606	2,651	2,584	3,041
24,25, 39	All other durable goods.....	4,986	4,936	4,896	4,908	+1.0	+0.8	-0.2	4,857	4,832	4,795	4,874	5,284
	Nondurable goods industries.....	35,139	34,592	34,722	34,815	+1.6	-0.4	-0.3	34,924	34,882	35,313	35,510	36,411
20	Food and kindred products.....	7,722	7,539	7,699	7,688	+2.4	-2.1	+0.1	7,454	7,444	7,729	7,878	7,459
21	Tobacco products.....	4,171	4,047	4,147	4,083	+3.1	-2.4	+1.6	3,925	3,991	4,220	4,255	3,992
22	Textile mill products.....	1,886	1,892	1,839	1,827	-0.3	+2.9	+0.7	1,946	1,985	1,924	1,911	1,932
26	Paper and allied products.....	4,183	4,151	4,138	4,188	+0.8	+0.3	-1.2	4,227	4,175	4,180	4,195	4,354
28	Chemicals and allied products.....	7,236	7,212	7,253	7,326	+0.3	-0.6	-1.0	7,195	7,335	7,427	7,489	7,919
29	Petroleum and coal products.....	2,478	2,446	2,368	2,335	+1.3	+3.3	+1.4	2,519	2,542	2,432	2,375	2,474
30	Rubber and plastics products.....	2,050	2,001	1,969	1,954	+2.4	+1.6	+0.8	2,077	2,008	1,999	1,942	2,106
23,27, 31	All other nondurable goods.....	5,413	5,304	5,309	5,414	+2.1	-0.1	-1.9	5,581	5,402	5,402	5,465	6,427
	WORK IN PROCESS												
	All manufacturing industries..	89,995	90,860	90,365	90,060	-0.9	+0.5	+0.3	89,830	91,464	91,118	90,735	94,929
	Durable goods industries.....	75,852	76,686	76,018	75,896	-1.1	+0.9	+0.2	75,750	77,118	76,619	76,550	79,673
32	Stone, clay, and glass products...	842	829	814	802	+1.6	+1.8	+1.5	873	873	876	861	928
33	Primary metals	7,216	7,285	7,330	7,335	-0.9	-0.6	-0.1	7,221	7,365	7,381	7,308	8,729
34	Fabricated metal products.....	6,066	6,011	5,948	5,939	+0.9	+1.1	+0.2	6,200	6,177	6,097	6,080	6,996
35	Machinery, except electrical.....	15,540	15,621	15,647	15,887	-0.5	-0.2	-1.5	15,403	15,752	15,760	15,908	17,725
36	Electrical Machinery.....	13,928	13,888	13,690	13,465	+0.3	+1.4	+1.7	14,028	14,023	13,829	13,581	13,835
37	Transportation equipment.....	24,980	25,837	25,445	25,398	-3.3	+1.5	+0.2	24,673	25,659	25,494	25,684	23,948
38	Instruments and related products..	4,065	4,005	3,949	3,935	+1.5	+1.4	+0.4	4,121	4,060	4,015	3,982	4,211
24,25, 39	All other durable goods.....	3,215	3,210	3,195	3,135	+0.2	+0.5	+1.9	3,231	3,209	3,167	3,146	3,301
	Nondurable goods industries.....	14,143	14,174	14,347	14,164	-0.2	-1.2	+1.3	14,080	14,346	14,499	14,185	15,256
20	Food and kindred products.....	1,736	1,759	1,785	1,808	-1.3	-1.5	-1.3	1,719	1,770	1,771	1,819	1,955
21	Tobacco products.....	180	222	208	222	-18.9	+6.7	-6.3	120	167	158	193	85
22	Textile mill products.....	2,129	2,048	2,024	2,022	+4.0	+1.2	+0.1	2,091	2,073	2,057	2,038	1,995
26	Paper and allied products.....	1,035	1,034	1,026	1,017	+0.1	+0.8	+0.9	1,067	1,052	1,049	1,028	1,076
28	Chemicals and allied products.....	3,252	3,261	3,331	3,269	-0.3	-2.1	+1.9	3,247	3,323	3,384	3,296	3,524
29	Petroleum and coal products.....	1,758	1,859	1,846	1,857	-5.4	+0.7	-0.6	1,761	1,874	1,892	1,872	2,227
30	Rubber and plastics products.....	937	922	981	909	+1.6	-6.0	+7.9	915	923	1,002	913	1,156
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GODDS												
	All manufacturing industries..	81,848	82,115	82,042	82,413	-0.3	+0.1	-0.5	82,838	83,589	83,419	83,005	88,664
	Durable goods industries.....	43,556	43,466	43,528	43,465	+0.2	-0.1	+0.1	44,533	44,926	44,880	44,390	48,451
32	Stone, clay, and glass products...	2,948	2,970	3,019	3,002	-0.7	-1.6	+0.6	3,013	3,121	3,143	3,116	3,153
33	Primary metals	6,149	6,200	6,032	5,699	-0.8	+2.8	+5.8	6,122	6,318	6,279	5,905	6,563
34	Fabricated metal products.....	4,641	4,587	4,675	4,691	+1.2	-1.9	-0.3	4,781	4,778	4,839	4,807	5,664
35	Machinery, except electrical.....	11,651	11,578	11,710	11,830	+0.6	-1.1	-1.0	11,980	11,919	11,945	11,998	13,568
36	Electrical Machinery.....	5,424	5,330	5,358	5,370	+1.8	-0.5	-0.2	5,615	5,611	5,547	5,486	6,272
37	Transportation equipment.....	4,873	4,866	4,905	4,970	+0.1	-0.8	-1.3	4,862	4,901	4,958	4,981	4,964
38	Instruments and related products..	2,337	2,359	2,335	2,351	-0.9	+1.0	-0.7	2,449	2,487	2,422	2,348	2,545
24,25, 39	All other durable goods.....	5,533	5,576	5,494	5,552	-0.8	+1.5	-1.0	5,711	5,791	5,747	5,749	5,722
	Nondurable goods industries.....	38,292	38,649	38,514	38,948	-0.9	+0.4	-1.1	38,305	38,663	38,539	38,615	40,213
20	Food and kindred products.....	10,899	11,198	11,052	11,158	-2.7	+1.3	-0.9	10,103	10,427	10,555	10,655	10,210
21	Tobacco products.....	367	340	352	291	+7.9	-3.4	+21.0	380	345	376	314	320
22	Textile mill products.....	2,479	2,409	2,362	2,331	+2.9	+2.0	+1.3	2,540	2,516	2,428	2,389	2,470
26	Paper and allied products.....	3,117	3,162	3,140	3,165	-1.4	+0.7	-0.8	3,259	3,370	3,278	3,236	3,387
28	Chemicals and allied products.....	8,760	8,794	8,817	8,769	-0.4	-0.3	+0.5	8,729	8,863	8,949	8,877	9,556
29	Petroleum and coal products.....	4,241	4,279	4,374	4,663	-0.9	-2.2	-6.2	4,185	4,101	4,218	4,506	4,432
30	Rubber and plastics products.....	2,689	2,733	2,688	2,766	-1.6	+1.7	-2.8	2,740	2,891	2,900	2,934	3,054
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983	June 1983[p]	May 1983[r]	Apr. 1983	Mar. 1983
	All manufacturing industries	1.49	1.54	1.58	1.59	3.57	3.64	3.69	3.68
	Durable goods industries	1.97	2.06	2.11	2.13	4.36	4.47	4.53	4.52
32	Stone, clay, and glass products	1.39	1.42	1.49	1.51	0.52	0.53	0.54	0.54
33	Primary metals	2.12	2.17	2.29	2.26	2.43	2.43	2.52	2.53
34	Fabricated metal products	1.72	1.72	1.80	1.80	2.32	2.29	2.41	2.46
35	Machinery, except electrical	2.59	2.65	2.71	2.72	4.03	4.10	4.14	4.05
36	Electrical machinery	1.99	2.07	2.07	2.11	4.74	4.95	4.91	4.97
37	Transportation equipment	1.90	2.06	2.09	2.11	10.96	11.76	11.59	11.47
38	Instruments and related products	2.18	2.26	2.25	2.24	1.84	1.85	1.82	1.81
	Nondurable goods industries	1.01	1.03	1.06	1.07	0.55	0.55	0.55	0.55
20	Food and kindred products	0.83	0.84	0.88	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.68	3.28	3.72	2.92	(X)	(X)	(X)	(X)
22	Textile mill products	1.48	1.49	1.49	1.48	1.32	1.31	1.30	1.30
26	Paper and allied products	1.18	1.21	1.19	1.25	0.45	0.45	0.45	0.45
28	Chemicals and allied products	1.22	1.23	1.33	1.32	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.52	0.55	0.54	0.59	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.28	1.34	1.37	1.40	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1982	All Junes 1978-1982	June 1982-May 1983	Year ago June 1982	All Junes 1978-1982	June 1982-May 1983	Year ago June 1982	All Junes 1978-1982	June 1982-May 1983	Year ago June 1982	All Junes 1978-1982	June 1982-May 1983
	All manufacturing industries.	0.3	0.3	0.4	0.1	0.2	0.3	0.1	0.1	0.2	0.0	0.1	0.1
	Durable goods industires	0.0	0.2	0.3	0.4	0.3	0.6	0.1	0.1	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products	2.4	1.4	1.3	0.8	2.2	1.4	3.6	2.3	1.6	0.4	0.5	0.8
33	Primary metals	0.7	0.5	0.8	0.3	0.9	1.2	0.4	0.3	0.3	0.1	0.3	0.3
34	Fabricated metal products	0.5	0.3	1.1	0.3	0.8	2.1	0.1	0.2	0.5	0.0	0.3	0.3
35	Machinery, except electrical	1.0	1.0	0.7	0.4	1.6	2.1	0.1	0.3	0.5	0.2	0.3	0.2
36	Electrical machinery	0.5	0.4	0.5	0.2	0.4	1.0	0.2	0.1	0.2	0.4	0.2	0.3
37	Transportation equipment	1.1	0.6	1.0	1.1	1.7	1.7	0.0	0.2	0.2	0.3	0.4	0.2
38	Instruments and related products	1.5	0.7	0.9	0.4	0.9	1.3	0.9	0.5	0.7	0.9	0.4	0.6
	Nondurable goods industries	0.6	0.6	0.4	0.5	0.5	0.4	1.4	0.6	0.6	0.1	0.1	0.3
20	Food and kindred products	0.9	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.9	0.7	0.8
21	Tobacco products	0.0	2.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.6	0.1
22	Textile mill products	1.6	0.8	1.6	5.7	1.7	1.8	2.1	0.9	1.1	0.4	0.2	0.6
26	Paper and allied products	0.4	0.5	1.2	1.6	0.8	2.0	2.4	0.7	1.8	0.1	0.2	0.4
28	Chemicals and allied products	2.6	1.3	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.4
29	Petroleum and coal products	0.5	0.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.7	1.0
30	Rubber and plastics products	1.0	1.7	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.6	1.0	0.9
	Capital Goods Industries:												
	Nondefense	0.4	0.8	0.8	0.0	0.7	1.8	0.1	0.1	0.5	0.1	0.3	0.1
	Defense	0.1	1.3	0.8	1.3	3.8	3.6	0.0	0.3	0.3	0.1	0.4	0.4

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

158!
3-1(83)-7

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
OCT 17 1983
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

JULY 1983
M3-1(83)-7
FOR WIRE TRANSMISSION 2:30 P.M. E.D.T. Tuesday, August 30, 1983

(All figures in text are in seasonally adjusted current dollars)

New orders for manufactured goods in July declined $3.0 billion or 1.7 percent to $175.5 billion the Department of Commerce, Bureau of Census reported today. This is the first decline in orders since a 3.1 percent decrease in February, and the second since last October when orders reached a low of $152.4 billion.

Shipments of manufactured goods were down $0.8 billion or 0.5 percent to $173.1 billion. This is the first decline in shipments since October, except for a slight 0.1 percent decrease in February. The backlog of orders held by manufacturers at the end of July was estimated at $317.9 billion, up $2.4 billion or 0.8 percent from June. This is the fifth consecutive monthly increase in the orders backlog, as the value of incoming orders has exceeded shipments by $12.6 billion or 1.5 percent since February.

The book value of manufacturers' inventories was estimated at $258.4 billion at the end of July, an increase of 0.4 percent over June and offsetting a 0.3 percent decline the prior month. Inventories had declined 13 consecutive months to a low of $257.3 billion in March; since then the level has somewhat stabilized. Inventories by stage of fabrication over the last four months show an increase in raw materials and supplies of 0.7 percent, in work in process of 0.6 percent, and a slight decline in finished goods of 0.1 percent. The inventory to shipments ratio for July was 1.49, up from 1.48 in June.

The new orders decline in July was totally in the durable goods sector. The capital goods industries were down $3.9 billion or 12.2 percent to $28.3 billion; new orders for defense capital goods were down $1.2 billion or 15.1 percent, following a 66 percent increase last month; while orders for nondefense capital goods declined $2.7 billion or 11.3 percent to $21.6 billion, following a 9.3 percent increase last month.

When grouping the orders data into major industry categories, the transportation equipment industry showed the largest decline, decreasing $3.1 billion or 13.1 percent to $20.4 billion, following a 28 percent increase in June. The volatile aircraft and parts industry caused most of the change in both months. Orders for nonelectrical machinery were down $0.7 billion or 4.4 percent to $14.8 billion.

The declines in orders for transportation equipment and nonelectrical machinery were partially offset by increases in orders for electrical machinery and primary metals. Orders for electrical machinery were up $1.0 billion or 7.6 percent to $14.5 billion, due to a large increase in the electronic components category. New orders for primary metals increased $0.2 billion or 2.2 percent in July to $10.3 billion with the steel industry going up $0.3 billion or 7.1 percent to $4.2 billion. Steel orders reached a low last December of $2.7 billion. Following that orders jumped 31 percent in January and 21 percent in February, but have been fluctuating around $4.2 billion since then. Orders for nonferrous metals showed a slight decline in July of 0.5 percent to $5.1 billion. Nonferrous metals orders reached a low of $3.7 billion last October and have been generally increasing since then.

The decline in manufacturers' shipments in July was also concentrated in the durable goods sector, where shipments were down $1.0 billion or 1.1 percent to $85.6 billion. Although most of the industries showed decreases, the only significant decline was in the transportation equipment category. Shipments for that industry declined $1.0 billion or 4.6 percent to $19.7 billion, with the auto and aircraft components causing the decline. Shipments of machinery were down a slight 0.5 percent to $28.3 billion.

Shipments of primary metals increased $0.4 billion or 4.3 percent to $10.2 billion, the fifth consecutive monthly increase in the series. The July shipments increase was almost entirely attributable to the nonferrous metals category.

Shipments in the nondurable goods sector in July were 87.5 billion; an increase of $0.1 billion or 0.2 percent from June. There were offsetting movements in the specific industries with the petroleum and textile industries showing the largest increases and tobacco and food products showing the largest declines.

The backlog of manufacturers' orders continued to edge upward in July. The end of the month estimate was $317.9 billion, 6.6 percent above the 1982 low of $298.1 billion in November. Most of the specific industry categories showed increases. When the industry categories are grouped into the capital goods industries, the backlog of orders for defense capital goods increased $0.9 billion or 0.9 percent to $107.6 billion, while the backlog of orders for nondefense capital goods decreased $1.1 billion or 0.9 percent to $119.3 billion.

The increase in manufacturers' inventories in July was basically in the nondurable goods sector, where nearly all of the industry categories showed small increases. The slight decline in the durable goods sector resulted primarily from declines in nonelectrical machinery and primary metals offsetting increases in most of the other industries.

The advance report on durable goods for August is scheduled for release on September 22, 1983, and the full report is scheduled for release on October 3, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1983p	June 1983r	May 1983r	Apr. 1983r	June-July p	May-June r	Apr.-May r	July 1983p	June 1983r	May 1983r	Apr. 1983r	1983p	1982
	All manufacturing industries	173,111	173,920	167,965	163,065	-0.5	+3.5	+3.0	158,983	182,537	168,943	164,345	1,150,916	1,122,343
	Manufacturing industries with unfilled orders	88,980	88,931	85,450	83,741	+0.1	+4.1	+2.0	80,348	93,723	85,777	84,345	588,043	579,457
	Durable goods industries	85,630	86,582	82,669	80,241	-1.1	+4.7	+3.0	76,663	92,512	83,953	82,053	568,682	548,560
	With unfilled orders	70,290	70,447	67,347	65,955	-0.2	+4.6	+2.1	63,032	74,903	67,793	66,596	464,122	462,541
32	Stone, clay, and glass products	4,037	4,150	4,039	3,885	-2.7	+2.7	+4.0	3,995	4,518	4,108	3,962	27,387	25,459
322	Glass containers	409	411	422	405	-0.5	-2.6	+4.2	405	458	430	407	2,886	2,830
33	Primary metals	10,160	9,744	9,481	8,958	+4.3	+2.8	+5.8	9,060	10,201	9,714	9,448	64,642	67,397
331	Blast furnaces, steel mills	3,960	3,937	3,782	3,588	+0.6	+4.1	+5.4	3,520	4,122	3,774	3,792	25,753	31,051
333-9	Nonferrous and other primary metals	5,144	4,793	4,702	4,434	+7.3	+1.9	+6.0	4,645	4,971	4,876	4,656	32,377	29,854
34	Fabricated metal products	10,012	10,055	10,028	9,563	-0.4	+0.3	+4.9	9,219	10,757	10,198	9,773	67,864	68,000
341	Metal cans, barrels, and drums	926	942	932	909	-1.7	+1.1	+2.5	1,002	1,043	967	900	6,491	6,850
35	Machinery, except electrical	15,486	15,224	14,429	14,117	+1.7	+5.5	+2.2	13,914	16,519	14,315	14,038	99,809	109,183
351	Engines and turbines	1,033	1,034	1,001	960	-0.1	+3.3	+4.3	883	1,122	999	974	6,929	8,127
352	Farm machinery and equipment	858	888	937	905	-3.4	-5.2	+3.5	725	975	1,013	1,009	6,425	7,370
353	Construction, mining, and material handling equipment	2,572	2,529	2,370	2,110	+1.7	+6.7	+12.3	2,472	2,638	2,385	2,180	15,819	21,654
354	Metalworking machinery	641	579	643	638	+10.7	-10.0	+0.8	560	642	623	618	4,396	6,069
356	General industrial machinery	1,265	1,196	1,107	1,128	+5.8	+8.0	-1.9	1,150	1,298	1,128	1,125	8,210	9,293
357	Office and computing machines	4,129	4,160	3,606	3,755	-0.7	+15.4	-4.0	3,522	4,501	3,329	3,372	24,944	22,098
36	Electrical machinery	12,792	13,193	12,738	12,619	-3.0	+3.6	+0.9	11,415	13,989	12,605	12,545	86,777	82,097
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,700	1,777	1,682	1,781	-4.3	+5.6	-5.6	1,480	1,912	1,729	1,790	12,273	13,159
363	Household appliances	1,307	1,227	1,258	1,201	+6.5	-2.5	+4.7	1,252	1,333	1,237	1,198	8,490	6,921
365	Radio and TV	726	734	732	759	-1.1	+0.3	-3.6	585	836	640	642	4,574	4,517
366	Communication equipment	4,015	4,292	3,943	3,994	-6.5	+8.9	-1.3	3,618	4,597	3,992	4,097	27,595	25,566
367	Electronic components	2,835	2,970	2,922	2,688	-4.5	+1.6	+8.7	2,563	3,050	2,916	2,763	19,510	18,361
37	Transportation equipment	19,679	20,631	19,057	18,510	-4.6	+8.3	+3.0	16,649	22,284	20,030	19,623	134,351	115,822
371	Motor vehicles and parts	12,447	12,847	12,097	11,006	-3.1	+6.2	+9.9	10,000	14,088	12,875	11,985	82,857	67,715
372,6	Aircraft, missiles, and parts	5,785	6,285	5,508	5,924	-8.0	+14.1	-7.0	5,267	6,654	5,638	5,950	40,674	36,161
3731	Shipbuilding and military tank vehicles	795	824	770	854	-3.5	+7.0	-9.8	799	846	823	832	5,925	7,073
38	Instruments and related products	4,306	4,087	3,964	3,971	+5.4	+3.1	-0.2	3,864	4,378	3,906	3,892	27,817	28,094
381-4	Scientific and engineering instruments	2,536	2,375	2,308	2,297	+6.8	+2.9	+0.5	2,234	2,534	2,264	2,297	16,405	16,236
386	Photographic goods	1,534	1,510	1,454	1,466	+1.6	+3.9	-0.8	1,419	1,632	1,440	1,393	10,013	10,540
24,25, 39	All other durable goods	9,158	9,498	8,933	8,618	-3.6	+6.3	+3.7	8,547	9,866	9,077	8,772	60,035	52,508
	Nondurable goods industries	87,481	87,338	85,296	82,824	+0.2	+2.4	+3.0	82,320	90,025	84,990	82,292	582,234	573,783
	With unfilled orders	18,690	18,484	18,103	17,786	+1.1	+2.1	+1.8	17,316	18,820	17,984	17,749	123,921	116,916
20	Food and kindred products	24,026	24,217	24,339	23,460	-0.8	-0.5	+3.7	22,575	24,980	23,904	22,835	163,748	159,766
201	Meat products	5,631	5,762	5,710	5,664	-2.3	+0.9	+0.8	5,388	5,744	5,659	5,398	38,555	37,774
208	Beverages	3,794	3,504	3,662	3,491	+8.3	-4.3	+4.9	3,976	4,013	3,819	3,554	24,855	23,823
207	Fats and oils	1,335	1,438	1,442	1,234	-7.2	-0.3	+16.9	1,242	1,389	1,352	1,203	9,125	9,322
203-6,9	All other foods	10,119	10,333	10,313	9,956	-2.1	+0.2	+3.6	8,803	10,530	9,859	9,568	69,155	66,716
21	Tobacco products	1,337	1,763	1,405	1,267	-24.2	+25.5	+10.9	1,363	1,803	1,414	1,269	9,492	7,953
22	Textile mill products	4,534	4,395	4,270	4,166	+3.2	+2.9	+2.5	3,822	4,763	4,332	4,140	29,008	27,174
26	Paper and allied products	7,132	7,126	6,918	6,994	+0.1	+3.0	-1.1	6,684	7,423	6,975	7,070	48,529	46,385
261-3,6	Pulp, paper etc.	3,055	3,045	2,910	2,937	+0.3	+4.6	-0.9	2,851	3,187	2,995	2,998	20,640	19,939
265	Paperboard containers	1,611	1,591	1,548	1,516	+1.3	+2.8	+2.1	1,500	1,642	1,554	1,546	10,803	10,710
264	All other paper products	2,466	2,490	2,460	2,541	-1.0	+1.2	-3.2	2,333	2,594	2,426	2,526	17,086	15,736
28	Chemicals and allied products	16,264	16,178	15,681	14,635	+0.5	+3.2	+7.1	14,729	17,010	16,307	15,351	108,331	103,481
281,6	Industrial chemicals, except pigments	5,346	5,186	4,871	4,687	+3.1	+6.5	+3.9	4,897	5,420	4,944	4,893	33,921	33,770
283,4	Drugs, soaps, and toiletries	4,057	4,222	4,164	3,929	-3.9	+1.4	+6.0	3,688	4,438	3,877	3,788	28,210	28,019
29	Petroleum and coal products	16,844	16,501	15,834	15,877	+2.1	+4.2	-0.3	16,529	16,789	15,835	15,431	108,812	120,584
30	Rubber and plastics products	4,477	4,390	4,231	4,130	+2.0	+3.8	+2.4	4,163	4,614	4,237	4,280	29,473	29,683
23,27, 31	All other nondurable goods	12,867	12,768	12,618	12,295	+0.8	+1.2	+2.6	12,455	12,643	11,986	11,916	84,841	78,753
	Market categories:													
	Home goods and apparel	12,213	12,107	11,769	11,716	+0.9	+2.9	+0.5	11,220	12,411	11,182	11,220	78,955	73,94
	Consumer staples	31,937	32,713	32,423	31,133	-2.4	+0.9	+4.1	30,224	33,765	31,756	30,515	218,747	210,43
	Equipment and defense products, except automotive	25,230	25,424	23,448	23,992	-0.8	+8.4	-2.3	22,749	27,302	23,539	23,886	166,918	170,65
	Automotive equipment	14,306	14,783	13,998	12,886	-3.2	+5.6	+8.6	11,797	16,134	14,850	14,096	95,999	78,83
	Construction materials, supplies and intermediate products	13,236	13,552	13,018	12,311	-2.3	+4.1	+5.7	13,046	14,666	13,381	12,648	88,023	78,58
	Other materials, supplies, and intermediate products	76,189	75,341	73,309	71,027	+1.1	+2.8	+3.2	69,947	78,259	74,235	71,980	502,274	509,89
	Supplementary series:[2]													
	Capital goods industries	28,416	28,953	26,788	27,402	-1.9	+8.1	-2.2	25,609	30,963	26,739	27,085	189,253	193,49
	Nondefense	22,622	23,616	21,612	22,131	-4.2	+9.3	-2.3	20,304	25,381	21,467	21,846	152,586	162,22
	Defense	5,794	5,337	5,176	5,271	+8.6	+3.1	-1.8	5,305	5,582	5,272	5,239	36,667	31,27
	Household durable goods industries	5,514	5,534	5,284	5,252	-0.4	+4.7	+0.6	4,800	5,656	5,152	5,127	35,234	32,96

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1983p	June 1983r	May 1983r	Apr. 1983r	June-July p	May-June r	Apr.-May r	July 1983p	June 1983r	May 1983r	Apr. 1983r	1983p	1982
	All manufacturing industries	175,486	178,489	169,874	166,025	-1.7	+5.1	+2.3	160,113	183,816	168,383	166,871	1,166,730	1,109,145
	Manufacturing industries with unfilled orders	91,355	93,500	87,359	86,701	-2.3	+7.0	+0.8	81,478	95,002	85,217	86,871	603,857	566,259
	Durable goods industries	87,719	90,905	84,456	83,101	-3.5	+7.6	+1.6	77,507	93,788	83,297	84,375	583,102	536,366
	With unfilled orders	72,379	74,770	69,134	68,815	-3.2	+8.2	+0.5	63,876	76,179	67,137	68,918	478,542	450,347
32	Stone, clay, and glass products	4,037	4,233	4,061	3,913	-4.6	+4.2	+3.8	4,033	4,561	4,163	4,020	27,781	25,094
33	Primary metals	10,333	10,113	9,963	8,952	+2.2	+1.5	+11.3	9,012	9,886	9,546	9,143	67,371	62,788
331	Blast furnaces, steel mills	4,202	3,925	4,173	3,481	+7.1	-5.9	+19.9	3,564	3,646	3,695	3,586	27,171	27,902
333-9	Nonferrous and other primary metals	5,083	5,109	4,714	4,519	-0.5	+8.4	+4.3	4,512	5,136	4,760	4,576	33,537	28,991
34	Fabricated metal products	9,880	10,133	10,036	9,313	-2.5	+1.0	+7.8	9,214	10,777	10,145	9,492	67,808	65,271
35	Machinery, except electrical	14,782	15,467	14,956	14,806	-4.4	+3.4	+1.0	13,197	16,648	14,564	14,571	99,106	98,739
351	Engines and turbines	859	767	1,171	871	+12.0	-34.5	+34.4	682	713	1,136	862	6,148	6,829
353	Construction, mining, and material handling equipment	2,521	2,543	2,539	2,122	-0.9	+0.2	+19.7	2,453	2,635	2,426	2,176	15,619	17,726
354	Metalworking machinery	745	610	694	619	+22.1	-12.1	+12.1	674	681	654	609	4,327	4,267
356	General industrial machinery	1,198	1,079	1,096	1,117	+11.0	-1.6	-1.9	1,109	1,149	1,121	1,095	7,933	8,603
357	Office and computing machines	3,657	4,739	3,649	4,510	-22.8	+29.9	-19.1	3,076	5,258	3,481	4,134	25,660	21,635
36	Electrical machinery	14,455	13,432	13,849	13,181	+7.6	-3.0	+5.1	12,749	13,863	13,372	13,242	92,013	86,141
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,711	1,898	1,480	1,778	-9.9	+28.2	-16.8	1,496	1,974	1,526	1,834	12,167	12,523
363	Household appliances	1,309	1,210	1,281	1,223	+8.2	-5.5	+4.7	1,267	1,326	1,269	1,223	8,672	6,970
365	Radio and TV	924	682	983	686	+35.5	-30.6	+43.3	814	883	878	538	4,892	4,625
366	Communication equipment	4,166	4,616	4,339	4,354	-9.7	+6.4	-0.3	3,428	4,330	4,245	4,334	29,158	29,609
367	Electronic components	4,121	2,817	3,561	2,984	+46.3	-20.9	+19.3	3,798	3,065	3,370	3,279	22,695	18,838
37	Transportation equipment	20,375	23,442	18,377	19,973	-13.1	+27.6	-8.0	16,410	23,387	18,167	20,720	138,542	117,184
372,6	Aircraft, missiles, and parts	5,204	8,512	4,349	7,162	-38.9	+95.7	-39.3	4,214	7,950	3,863	6,705	43,815	39,518
3731	Shipbuilding and military tank vehicles	1,680	1,180	1,170	796	+42.4	+0.9	+47.0	1,098	543	774	1,064	6,209	6,326
38	Instruments and related products	4,532	4,340	4,045	4,072	+4.4	+7.3	-0.7	4,055	4,691	3,929	3,961	28,677	28,103
24,25, 39	All other durable goods	9,325	9,745	9,169	8,891	-4.3	+6.3	+3.1	8,837	9,975	9,411	9,226	61,804	53,046
	Nondurable goods industries	87,767	87,584	85,418	82,924	+0.2	+2.5	+3.0	82,606	90,028	85,086	82,496	583,628	572,779
	With unfilled orders	18,976	18,730	18,225	17,886	+1.3	+2.8	+1.9	17,602	18,823	18,080	17,953	125,315	115,912
	Market categories:													
	Home goods and apparel	12,370	12,144	12,210	11,702	+1.9	-0.5	+4.3	11,563	12,462	11,704	11,433	80,570	74,543
	Consumer staples	31,896	32,670	32,439	31,133	-2.4	+0.7	+4.2	30,241	33,727	31,719	30,486	218,675	210,429
	Equipment and defense products, except automotive	25,022	27,995	23,634	26,718	-10.6	+18.5	-11.5	21,350	28,004	22,387	25,827	169,918	169,382
	Automotive equipment	14,679	15,010	14,059	13,164	-2.2	+6.8	+6.8	12,268	16,258	14,794	14,201	96,699	77,750
	Construction materials, supplies and intermediate products	13,066	13,616	12,755	12,197	-4.0	+6.8	+4.6	12,908	14,669	13,229	12,607	88,316	77,212
	Other materials, supplies, and intermediate products	78,453	77,054	74,777	71,111	+1.8	+3.0	+5.2	71,783	78,696	74,550	72,317	512,552	499,829
	Supplementary series:[2]													
	Capital goods industries	28,292	32,228	27,010	29,671	-12.2	+19.3	-9.0	24,148	31,888	25,428	28,890	193,987	189,253
	Nondefense	21,555	24,289	22,228	22,592	-11.3	+9.3	-1.6	19,505	25,574	21,315	22,093	149,645	148,916
	Defense	6,737	7,939	4,782	7,079	-15.1	+66.0	-32.4	4,643	6,314	4,113	6,797	44,342	40,337
	Household durable goods industries	5,669	5,538	5,701	5,249	+2.4	-2.9	+8.6	5,122	5,688	5,639	5,313	36,743	33,598

p Preliminary. r Revised. The April data for fabricated metal products and motor vehicles and parts, and the May data for fabricated metal products, nonelectrical machinery, motor vehicles and parts, and the petroleum industry were also revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1983p	June 1983r	May 1983r	Apr. 1983r	June-Julyp	May-Jun.r	Apr.-May.r	July 1983p	June 1983r	May 1983r	Apr. 1983r	July 1982
	All manufacturing industries..	317,867	315,488	310,922	309,015	+0.8	+1.5	+0.6	315,553	314,420	313,139	313,705	308,204
	Durable goods industries.....	307,470	305,374	301,053	299,270	+0.7	+1.4	+0.6	305,178	304,334	303,057	303,720	299,441
32	Stone, clay, and glass products...	1,982	1,982	1,899	1,877	0.0	+4.4	+1.2	2,049	2,011	1,968	1,914	1,884
33	Primary metals.....	23,585	23,410	23,042	22,561	+0.7	+1.6	+2.1	23,021	23,068	23,383	23,551	21,836
331	Blast furnaces, steel mills.....	13,903	13,660	13,672	13,281	+1.8	-0.1	+2.9	13,486	13,442	13,918	13,998	12,835
333-9	Nonferrous and other primary metals.....	7,334	7,394	7,079	7,067	-0.8	+4.4	+0.2	7,224	7,357	7,192	7,307	6,451
34	Fabricated metal products.....	20,961	21,090	21,012	21,003	-0.6	+0.4	0.0	21,186	21,190	21,170	21,223	25,696
35	Machinery, except electrical.....	54,750	55,455	55,213	54,690	-1.3	+0.4	+1.0	54,830	55,547	55,416	55,167	62,784
351	Engines and turbines.....	14,445	14,620	14,888	14,719	-1.2	-1.8	+1.1	14,278	14,480	14,888	14,750	16,452
353	Construction, mining, and material handling equipment....	5,433	5,485	5,471	5,303	-0.9	+0.3	+3.2	5,433	5,452	5,455	5,414	7,491
354	Metalworking machinery.....	2,329	2,226	2,195	2,145	+4.6	+1.4	+2.3	2,327	2,212	2,173	2,143	3,156
356	General industrial machinery....	4,389	4,456	4,573	4,585	-1.5	-2.6	-0.3	4,415	4,456	4,605	4,613	5,614
357	Office and computing machines...	18,382	18,854	18,275	18,232	-2.5	+3.2	+0.2	18,860	19,306	18,549	18,396	19,433
36	Electrical machinery.....	64,981	63,317	63,078	61,967	+2.6	+0.4	+1.8	64,841	63,510	63,634	62,869	57,130
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,620	6,610	6,488	6,690	+0.2	+1.9	-3.0	6,656	6,640	6,578	6,780	7,096
363	Household appliances.....	442	441	458	435	+0.2	-3.7	+5.3	487	473	479	448	322
365	Radio and TV.....	678	480	532	281	+41.3	-9.8	+89.3	723	495	448	211	542
366	Communication equipment.....	40,580	40,428	40,105	39,710	+0.4	+0.8	+1.0	40,069	40,259	40,526	40,274	35,113
367	Electronic components.....	15,372	14,085	14,238	13,598	+9.1	-1.1	+4.7	15,602	14,367	14,352	13,898	12,793
37	Transportation equipment.....	128,292	127,593	124,783	125,463	+0.5	+2.3	-0.5	126,034	126,273	125,171	127,036	117,646
372,6	Aircraft, missiles, and parts...	97,600	98,181	95,954	97,112	-0.6	+2.3	-1.2	96,491	97,543	96,247	98,024	92,601
3731	Shipbuilding and military tank vehicles.....	24,063	23,177	22,822	22,422	+3.8	+1.6	+1.8	23,029	22,729	23,033	23,082	19,016
38	Instruments and related products..	7,799	7,573	7,320	7,239	+3.0	+3.5	+1.1	7,834	7,643	7,331	7,309	7,180
24,25, 39	All other durable goods.....	5,120	4,954	4,706	4,470	+3.4	+5.3	+5.3	5,383	5,092	4,984	4,651	4,798
	Nondurable goods industries.....	10,397	10,114	9,869	9,745	+2.8	+2.5	+1.3	10,375	10,086	10,082	9,985	8,763
	Market categories:												
	Automotive equipment.....	6,174	5,800	5,573	5,512	+6.4	+4.1	+1.1	6,050	5,580	5,456	5,512	5,382
	Construction materials, supplies and intermediate products.....	12,522	12,691	12,627	12,889	-1.3	+0.5	-2.0	12,741	12,879	12,876	13,028	15,357
	Other materials, supplies, and intermediate products	106,269	104,005	102,293	100,823	+2.2	+1.7	+1.5	105,411	103,571	103,133	102,819	98,222
	Supplementary series:[2]												
	Capital goods industries.....	226,931	227,053	223,780	223,562	-0.1	+1.5	+0.1	224,451	225,912	224,984	226,297	219,875
	Nondefense.....	119,341	120,405	119,734	119,122	-0.9	+0.6	+0.5	119,340	120,141	119,945	120,098	132,114
	Defense.....	107,590	106,648	104,046	104,440	+0.9	+2.5	-0.4	105,111	105,771	105,039	106,199	87,761
	Household durable goods industries.....	3,730	3,575	3,572	3,156	+4.3	+0.1	+13.2	4,103	3,781	3,750	3,266	3,821

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1983P	June 1983r	May 1983	Apr. 1983	June-July P	May-June r	Apr.-May	July 1983P	June 1983r	May 1983	Apr. 1983	July 1982
	All manufacturing industries..	258,363	257,390	258,149	257,397	+0.4	-0.3	+0.3	257,607	257,931	260,480	260,170	273,877
	Manufacturing industries with unfilled orders.....	175,858	176,144	176,910	176,177	-0.2	-0.4	+0.4	176,574	177,543	179,163	178,223	189,117
	Durable goods industries.....	169,712	169,840	170,734	169,814	-0.1	-0.5	+0.5	169,613	170,623	172,589	171,819	181,969
	With unfilled orders.....	155,126	155,658	156,542	155,871	-0.3	-0.6	+0.4	155,373	156,431	158,170	157,503	167,490
2	Stone, clay, and glass products...	5,757	5,694	5,727	5,783	+1.1	-0.6	-1.0	5,792	5,797	5,923	5,975	6,073
22	Glass containers.....	617	630	640	654	-2.1	-1.6	-2.1	634	638	658	668	663
3	Primary metals.....	20,063	20,302	20,563	20,543	-1.2	-1.3	+0.1	20,006	20,152	20,584	20,660	23,804
31	Blast furnaces, steel mills.....	9,736	9,808	9,961	10,008	-0.7	-1.5	-0.5	9,716	9,681	9,851	9,848	12,342
33-9	Nonferrous and other primary metals.....	9,160	9,323	9,434	9,362	-1.7	-1.2	+0.8	9,142	9,295	9,528	9,587	10,247
4	Fabricated metal products.....	17,655	17,418	17,310	17,264	+1.4	+0.6	+0.3	17,727	17,710	17,726	17,670	19,393
41	Metal cans, barrels, and drums..	2,140	1,954	2,040	1,938	+9.5	-4.2	+5.3	2,249	2,173	2,293	2,194	1,952
5	Machinery, except electrical.....	37,260	37,842	38,197	38,269	-1.5	-0.9	-0.2	37,288	38,056	38,686	38,684	42,993
51	Engines and turbines.....	2,182	2,155	2,178	2,178	+1.3	-1.1	0.0	2,135	2,155	2,198	2,212	2,641
52	Farm machinery and equipment....	1,899	1,953	1,901	1,913	-2.8	+2.7	-0.6	1,882	1,998	1,964	1,997	2,423
53	Construction, mining, and material handling equipment....	7,446	7,782	7,991	8,115	-4.3	-2.6	-1.5	7,468	7,852	8,103	8,220	10,256
54	Metalworking machinery.....	2,330	2,292	2,272	2,251	+1.7	+0.9	+0.9	2,342	2,301	2,296	2,269	2,660
56	General industrial machinery....	3,729	3,823	3,924	3,937	-2.5	-2.6	-0.3	3,736	3,857	3,947	3,973	4,096
57	Office and computing machines...	9,841	9,871	9,827	9,797	-0.3	+0.4	+0.3	9,940	9,881	9,905	9,748	9,770
6	Electrical machinery.....	26,804	26,711	26,424	26,165	+0.3	+1.1	+1.0	26,936	27,094	26,946	26,609	27,508
61,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,977	3,977	3,975	3,954	0.0	+0.1	+0.5	3,986	4,015	4,060	4,011	4,390
63	Household appliances.....	1,745	1,925	1,829	1,841	-9.4	+5.2	-0.7	1,772	2,019	1,962	1,948	1,977
65	Radio and TV.....	983	981	944	976	+0.2	+3.9	-3.3	1,030	1,009	991	985	1,327
66	Communication equipment.....	10,703	10,449	10,399	10,169	+2.4	+0.5	+2.3	10,683	10,461	10,477	10,297	10,049
67	Electronic components.....	5,446	5,381	5,353	5,320	+1.2	+0.5	+0.6	5,495	5,472	5,406	5,373	5,607
7	Transportation equipment.....	39,324	39,267	39,826	39,278	+0.1	-1.4	+1.4	38,961	38,943	39,739	39,424	38,305
71	Motor vehicles and parts.....	8,582	8,375	8,466	8,367	+2.5	-1.1	+1.2	8,071	8,092	8,333	8,328	8,137
72,6	Aircraft, missiles, and parts...	27,739	27,928	28,390	28,045	-0.7	-1.6	+1.2	27,962	27,928	28,466	28,209	26,934
731	Shipbuilding and military tank vehicles.....	1,589	1,573	1,615	1,598	+1.0	-2.6	+1.1	1,597	1,592	1,605	1,603	1,701
8	Instruments and related products..	8,912	8,840	8,965	8,927	+0.8	-1.4	+0.4	8,981	9,039	9,153	9,088	9,668
81-4	Scientific and engineering instruments.....	6,403	6,360	6,489	6,474	+0.7	-2.0	+0.2	6,442	6,488	6,580	6,551	6,654
86	Photographic goods.....	1,967	1,952	1,956	1,925	+0.8	-0.2	+1.6	1,996	2,014	2,036	2,000	2,411
4,25, 39	All other durable goods.....	13,937	13,766	13,722	13,585	+1.2	+0.3	+1.0	13,922	13,832	13,832	13,709	14,225
	Nondurable goods industries.....	88,651	87,550	87,415	87,583	+1.3	+0.2	-0.2	87,994	87,308	87,891	88,351	91,908
	With unfilled orders.....	20,732	20,486	20,368	20,306	+1.2	+0.6	+0.3	21,201	21,112	20,993	20,720	21,627
0	Food and kindred products.....	20,538	20,201	20,496	20,536	+1.7	-1.4	-0.2	19,642	19,136	19,641	20,055	20,163
01	Meat products.....	2,017	1,970	2,043	2,021	+2.4	-3.6	+1.1	1,950	1,966	2,066	2,114	2,010
08	Beverages.....	3,606	3,687	3,685	3,599	-2.2	+0.1	+2.4	3,451	3,609	3,692	3,671	3,475
07	Fats and oils.....	1,299	1,187	1,226	1,359	+9.4	-3.2	-9.8	1,125	1,099	1,188	1,365	1,154
03-6,9	All other foods.....	11,865	11,636	11,833	11,861	+2.0	-1.7	-0.2	11,319	10,705	10,934	11,185	11,798
1	Tobacco products.....	5,038	4,708	4,609	4,707	+7.0	+2.1	-2.1	4,484	4,416	4,503	4,754	4,310
2	Textile mill products.....	6,604	6,478	6,349	6,225	+1.9	+2.0	+2.0	6,601	6,561	6,574	6,409	6,373
6	Paper and allied products.....	8,387	8,326	8,347	8,304	+0.7	-0.3	+0.5	8,482	8,545	8,597	8,507	8,670
61-3,6	Pulp, paper etc.	3,253	3,272	3,305	3,302	-0.6	-1.0	+0.1	3,249	3,315	3,373	3,348	3,377
65	Paperboard containers.....	2,163	2,152	2,155	2,162	+0.5	-0.1	-0.3	2,225	2,238	2,218	2,213	2,255
64	All other paper products.....	2,971	2,902	2,887	2,840	+2.4	+0.5	+1.7	3,008	2,992	3,006	2,946	3,038
8	Chemicals and allied products.....	19,449	19,253	19,267	19,401	+1.0	-0.1	-0.7	19,367	19,176	19,521	19,760	21,004
81,6	Industrial chemicals, except pigments	5,682	5,789	5,862	5,932	-1.8	-1.2	-1.2	5,722	5,794	5,968	6,015	6,804
83,4	Drugs, soaps, and toiletries ...	6,215	6,150	6,206	6,186	+1.1	-0.9	+0.3	6,265	6,292	6,367	6,285	6,532
9	Petroleum and coal products	8,499	8,505	8,584	8,588	-0.1	-0.9	0.0	8,607	8,493	8,517	8,542	9,368
0	Rubber and plastics products.....	5,608	5,734	5,656	5,638	-2.2	+1.4	+0.3	5,577	5,790	5,822	5,901	6,068
3,27, 31	All other nondurable goods.....	14,528	14,345	14,107	14,184	+1.3	+1.7	-0.5	15,234	15,191	14,716	14,423	15,952
	Market categories:												
	Home goods and apparel.....	20,323	20,226	19,893	19,800	+0.5	+1.7	+0.5	20,899	21,149	20,767	20,189	21,916
	Consumer staples.....	33,456	32,812	32,982	32,998	+2.0	-0.5	0.0	32,308	31,782	32,276	32,726	33,132
	Equipment and defense products, except automotive.....	72,880	73,193	74,126	73,713	-0.4	-1.3	+0.6	73,046	73,523	74,804	74,405	77,649
	Automotive equipment.....	10,638	10,426	10,509	10,297	+2.0	-0.8	+2.1	10,032	10,101	10,406	10,331	10,254
	Construction materials, supplies and intermediate products.....	19,030	18,777	18,545	18,604	+1.3	+1.3	-0.3	18,964	18,961	18,855	18,990	19,689
	Other materials, supplies, and intermediate products	102,036	101,956	102,094	101,985	+0.1	-0.1	+0.1	102,358	102,415	103,372	103,529	111,237
	Supplementary series:[2]												
	Capital goods industries.....	82,728	83,256	84,006	83,447	-0.6	-0.9	+0.7	83,009	83,650	84,838	84,246	87,439
	Nondefense.....	65,608	65,945	66,766	66,597	-0.5	-1.2	+0.3	65,636	66,088	67,388	67,305	72,796
	Defense.....	17,120	17,311	17,240	16,850	-1.1	+0.4	+2.3	17,373	17,562	17,450	16,941	14,643
	Household durable goods industries.....	9,770	9,862	9,786	9,749	-0.9	+0.8	+0.4	9,930	10,130	10,105	9,929	10,747

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of Month				Percent change			End of Month				
		July 1983P	June 1983r	May 1983	Apr. 1983	June-JulyP	May-Jnerr	Apr.-May	July 1983P	June 1983r	May 1983	Apr. 1983	July 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,453	85,322	85,174	84,990	+0.2	+0.2	+0.2	85,186	85,019	85,427	85,633	91,711
	Durable goods industries.....	50,307	50,333	50,582	50,268	-0.1	-0.5	+0.6	50,417	50,238	50,545	50,320	55,455
32	Stone, clay, and glass products...	1,920	1,911	1,928	1,950	+0.5	-0.9	-1.1	1,935	1,917	1,929	1,956	2,099
33	Primary metals	6,821	6,944	7,078	7,181	-1.8	-1.9	-1.4	6,760	6,816	6,901	7,000	8,614
34	Fabricated metal products.....	6,753	6,657	6,712	6,641	+1.4	-0.8	+1.1	6,829	6,676	6,771	6,734	7,235
35	Machinery, except electrical.....	10,700	10,769	10,998	10,912	-0.6	-2.1	+0.8	10,749	10,793	11,015	10,979	11,988
36	Electrical Machinery.....	7,214	7,283	7,206	7,117	-0.9	+1.1	+1.3	7,380	7,372	7,312	7,233	7,882
37	Transportation equipment.....	9,393	9,281	9,123	8,928	+1.2	+1.7	+2.2	9,240	9,271	9,179	8,972	9,276
38	Instruments and related products..	2,479	2,489	2,601	2,643	-0.4	-4.3	-1.6	2,488	2,521	2,606	2,651	3,012
24,25, 39	All other durable goods.....	5,027	4,999	4,936	4,896	+0.6	+1.3	+0.8	5,036	4,872	4,832	4,795	5,349
	Nondurable goods industries.....	35,146	34,989	34,592	34,722	+0.4	+1.1	-0.4	34,769	34,781	34,882	35,313	36,256
20	Food and kindred products.....	7,521	7,530	7,539	7,699	-0.1	-0.1	-2.1	7,289	7,269	7,444	7,729	7,418
21	Tobacco products.....	4,334	4,172	4,047	4,147	+3.9	+3.1	-2.4	3,892	3,926	3,991	4,220	3,886
22	Textile mill products.....	2,062	1,941	1,892	1,839	+6.2	+2.6	+2.9	2,071	2,002	1,985	1,924	1,936
26	Paper and allied products.....	4,132	4,157	4,151	4,138	-0.6	+0.1	+0.3	4,204	4,201	4,175	4,180	4,351
28	Chemicals and allied products.....	7,253	7,265	7,212	7,253	-0.2	+0.7	-0.6	7,285	7,225	7,335	7,427	8,065
29	Petroleum and coal products.....	2,387	2,477	2,446	2,368	-3.6	+1.3	+3.3	2,394	2,519	2,542	2,432	2,390
30	Rubber and plastics products.....	1,970	2,050	2,001	1,969	-3.9	+2.4	+1.6	2,002	2,077	2,008	1,999	2,160
23,27, 31	All other nondurable goods.....	5,487	5,397	5,304	5,309	+1.7	+1.8	-0.1	5,632	5,562	5,402	5,402	6,302
	WORK IN PROCESS												
	All manufacturing industries..	90,595	90,134	90,860	90,365	+0.5	-0.8	+0.5	90,423	89,982	91,464	91,118	94,245
	Durable goods industries.....	76,181	75,928	76,686	76,018	+0.3	-1.0	+0.9	76,009	75,830	77,118	76,619	78,839
32	Stone, clay, and glass products...	795	843	829	814	-5.7	+1.7	+1.8	792	874	873	876	889
33	Primary metals	7,331	7,202	7,285	7,330	+1.8	-1.1	-0.6	7,412	7,207	7,365	7,381	8,648
34	Fabricated metal products.....	6,155	6,058	6,011	5,948	+1.6	+0.8	+1.1	6,217	6,190	6,177	6,097	6,785
35	Machinery, except electrical.....	15,219	15,473	15,621	15,647	-1.6	-0.9	-0.2	15,044	15,336	15,752	15,760	17,486
36	Electrical Machinery.....	14,280	13,985	13,888	13,690	+2.1	+0.7	+1.4	14,267	14,087	14,023	13,829	13,561
37	Transportation equipment.....	25,120	25,117	25,837	25,445	0.0	-2.8	+1.5	24,964	24,813	25,659	25,494	24,042
38	Instruments and related products..	4,002	4,027	4,005	3,949	-0.6	+0.5	+1.4	4,026	4,083	4,060	4,015	4,141
24,25, 39	All other durable goods.....	3,279	3,223	3,210	3,195	+1.7	+0.4	+0.5	3,287	3,240	3,209	3,167	3,287
	Nondurable goods industries.....	14,414	14,206	14,174	14,347	+1.5	+0.2	-1.2	14,414	14,152	14,346	14,499	15,406
20	Food and kindred products.....	1,748	1,710	1,759	1,785	+2.2	-2.8	-1.5	1,692	1,702	1,770	1,771	1,868
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,096	2,098	2,048	2,024	-0.1	+2.4	+1.2	2,076	2,060	2,073	2,057	2,031
26	Paper and allied products.....	1,114	1,038	1,034	1,026	+7.3	+0.4	+0.8	1,117	1,070	1,052	1,049	1,067
28	Chemicals and allied products.....	3,324	3,267	3,261	3,331	+1.7	+0.2	-2.1	3,312	3,262	3,323	3,384	3,540
29	Petroleum and coal products.....	1,768	1,820	1,859	1,846	-2.9	-2.1	+0.7	1,805	1,823	1,874	1,892	2,327
30	Rubber and plastics products.....	990	970	922	981	+2.1	+5.2	-6.0	978	948	923	1,002	1,155
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,315	81,934	82,115	82,042	+0.5	-0.2	+0.1	81,998	82,930	83,589	83,419	87,921
	Durable goods industries.....	43,224	43,579	43,466	43,528	-0.8	+0.3	-0.1	43,187	44,555	44,926	44,880	47,675
32	Stone, clay, and glass products...	3,042	2,940	2,970	3,019	+3.5	-1.0	-1.6	3,065	3,006	3,121	3,143	3,085
33	Primary metals	5,911	6,156	6,200	6,032	-4.0	-0.7	+2.8	5,834	6,129	6,318	6,279	6,542
34	Fabricated metal products.....	4,747	4,703	4,587	4,675	+0.9	+2.5	-1.9	4,681	4,844	4,778	4,839	5,373
35	Machinery, except electrical.....	11,341	11,600	11,578	11,710	-2.2	+0.2	-1.1	11,495	11,927	11,919	11,945	13,519
36	Electrical Machinery.....	5,310	5,443	5,330	5,358	-2.4	+2.1	-0.5	5,289	5,635	5,611	5,547	6,065
37	Transportation equipment.....	4,811	4,869	4,866	4,905	-1.2	+0.1	-0.8	4,757	4,859	4,901	4,958	4,987
38	Instruments and related products..	2,431	2,324	2,359	2,335	+4.6	-1.5	+1.0	2,467	2,435	2,487	2,422	2,515
24,25, 39	All other durable goods.....	5,631	5,544	5,576	5,494	+1.6	-0.6	+1.5	5,599	5,720	5,791	5,747	5,589
	Nondurable goods industries.....	39,091	38,355	38,649	38,514	+1.9	-0.8	+0.4	38,811	38,375	38,663	38,539	40,246
20	Food and kindred products.....	11,269	10,961	11,198	11,052	+2.8	-2.1	+1.3	10,661	10,165	10,427	10,555	10,877
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,446	2,439	2,409	2,362	+0.3	+1.2	+2.0	2,454	2,499	2,516	2,428	2,406
26	Paper and allied products.....	3,141	3,131	3,162	3,140	+0.3	-1.0	+0.7	3,161	3,274	3,370	3,278	3,252
28	Chemicals and allied products.....	8,872	8,721	8,794	8,817	+1.7	-0.8	-0.3	8,770	8,689	8,863	8,949	9,399
29	Petroleum and coal products.....	4,344	4,208	4,279	4,374	+3.2	-1.7	-2.2	4,408	4,151	4,101	4,218	4,651
30	Rubber and plastics products.....	2,648	2,714	2,733	2,688	-2.4	-0.7	+1.7	2,597	2,765	2,891	2,900	2,753
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

PPreliminary. rRevised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		July 1983p	June 1983r	May 1983r	Apr. 1983r	July 1983p	June 1983r	May 1983r	Apr. 1983r
	All manufacturing industries	1.49	1.48	1.54	1.58	3.57	3.55	3.64	3.69
	Durable goods industries	1.98	1.96	2.07	2.12	4.37	4.33	4.47	4.54
32	Stone, clay, and glass products	1.43	1.37	1.42	1.49	0.55	0.53	0.53	0.54
33	Primary metals	1.97	2.08	2.17	2.29	2.32	2.40	2.43	2.52
34	Fabricated metal products	1.76	1.73	1.73	1.81	2.31	2.31	2.31	2.43
35	Machinery, except electrical	2.41	2.49	2.65	2.71	3.74	3.87	4.09	4.14
36	Electrical machinery	2.10	2.02	2.07	2.07	5.08	4.80	4.95	4.91
37	Transportation equipment	2.00	1.90	2.09	2.12	11.47	10.94	11.76	11.59
38	Instruments and related products	2.07	2.16	2.26	2.25	1.81	1.85	1.85	1.82
	Nondurable goods industries	1.01	1.00	1.02	1.06	0.56	0.55	0.55	0.55
20	Food and kindred products	0.85	0.83	0.84	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	3.77	2.67	3.28	3.72	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.47	1.49	1.49	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.18	1.17	1.21	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.20	1.19	1.23	1.33	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.50	0.52	0.54	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.25	1.31	1.34	1.37	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1982	All Julys 1978-1982	July 1982-June 1983	Year ago July 1982	All Julys 1978-1982	July 1982-June 1983	Year ago July 1982	All Julys 1978-1982	July 1982-June 1983	Year ago July 1982	All Julys 1978-1982	July 1982-June 1983
	All manufacturing industries.	0.5	0.3	0.4	1.0	0.6	0.4	0.1	0.3	0.2	0.1	0.2	0.1
	Durable goods industries	0.9	0.6	0.4	1.5	1.0	0.7	0.2	0.2	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products	1.3	1.3	1.2	1.2	1.3	1.5	0.3	0.4	1.6	1.2	0.6	0.8
33	Primary metals	0.8	1.4	0.9	0.9	0.8	1.4	0.0	0.2	0.3	0.3	0.1	0.3
34	Fabricated metal products	0.7	0.4	1.1	2.6	1.5	2.2	0.7	0.4	0.6	0.2	0.4	0.3
35	Machinery, except electrical	1.2	1.3	1.0	4.2	3.8	2.6	0.6	0.8	0.5	0.2	0.2	0.2
36	Electrical machinery	0.1	0.7	0.6	0.1	0.5	1.1	0.1	0.2	0.2	0.1	0.2	0.2
37	Transportation equipment	1.1	1.2	1.0	0.4	1.4	1.5	0.0	0.1	0.2	0.1	0.3	0.2
38	Instruments and related products	1.8	1.0	0.9	4.2	2.3	1.6	1.2	0.6	0.7	0.4	0.2	0.5
	Nondurable goods industries	0.5	0.7	0.5	0.6	0.6	0.4	0.3	0.9	0.5	0.3	0.5	0.3
20	Food and kindred products	0.9	1.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.9	0.7
21	Tobacco products	0.0	2.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.6	0.1
22	Textile mill products	2.2	2.0	1.5	2.2	2.0	1.4	0.1	1.1	1.0	0.6	0.5	0.6
26	Paper and allied products	1.9	1.6	1.3	1.9	1.7	2.0	0.1	1.3	1.6	0.4	0.9	0.4
28	Chemicals and allied products	1.8	1.2	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.3
29	Petroleum and coal products	0.9	0.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.7	1.0
30	Rubber and plastics products	1.2	1.3	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.5	0.9
	Capital Goods Industries:												
	Nondefense	0.7	0.9	1.0	2.3	5.2	2.2	0.2	0.3	0.5	0.1	0.1	0.1
	Defense	0.6	2.5	0.8	1.0	1.5	4.0	0.1	0.1	0.4	0.4	0.4	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M 3-1 (83)-8

CURRENT INDUSTRIAL REPORTS

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
DEC 7 1984
DEPOSITORY

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

AUGUST 1983
M3-1(83)-8
FOR WIRE TRANSMISSION 3:00 P.M. E.D.T. Monday, October 3, 1983

(All figures in text are in seasonally adjusted current dollars)

New orders for manufactured goods in August increased $1.9 billion or 1.1 percent to $177.3 billion the Department of Commerce, Bureau of the Census reported today. This followed a 1.7 percent decline in July. Excluding a large decline in the defense capital goods category, new orders for manufactured goods increased 2.5 percent.

Shipments of manufactured goods in August increased $2.7 billion or 1.6 percent to $175.3 billion. Shipments have now increased 8 of the last 10 months, since reaching a low last October of $154.2 billion. The backlog of orders held by manufacturers at the end of August was estimated at $320.3 billion; up $2.0 billion or 0.6 percent from July. Except for a slight decline in February, the backlog of orders has been increasing since last November when a low of $298.1 billion was recorded.

The book value of manufacturers inventories at the end of August was estimated at $259.9 billion, up $1.7 billion or 0.7 percent from July. This is the largest one month increase since a 1.0 percent rise in September 1981. Virtually all of the August increase was in the materials and supplies category which increased 1.8 percent; finished goods inventories were up 0.7 percent, while work in process inventories declined 0.4 percent. The inventory to shipments ratio for August was 1.48, down from 1.50 in July, as the increase in shipments in August more than offset the large inventory increase.

New orders in the durable goods sector were up $1.1 billion or 1.2 percent in August to $89.3 billion. This revises upward the 0.3 percent increase reported earlier. The largest increase from July to August occurred in the transportation equipment category, where orders were up $1.3 billion or 6.2 percent to $21.8 billion. Increases in the motor vehicle and parts and aircraft industries were partially offset by a decline in shipbuilding. New orders for primary metals increased $0.5 billion or 4.8 percent in August to $10.9 billion. Although the primary metals industries have shown substantial gains since the first of the year they are still 16 percent below the peak in January 1980 of $12.9 billion. New orders for nonelectrical machinery in August increased $0.5 billion or 3.2 percent to $15.3 billion, with nearly all of the specific categories showing increases. New orders for electrical machinery declined in August $1.2 billion or 7.9 percent to $13.5 billion, following a 9.5 percent increase last month.

Shipments in the durable goods sector were up $2.0 billion or 2.3 percent to $87.6 billion. Most of the increase was caused by a $2.0 billion or 15.6 percent gain in the motor vehicle and parts category. Excluding the motor vehicle increase, shipments of durable goods showed little change; declines in the machinery and instruments and related products industries were offset by increases in most of the other categories. Shipments in the nondurable goods sector increased $0.7 billion or 0.8 percent in August to $87.7 billion. Most of the industries showed increases with the largest dollar increase coming in the printing and publishing industry. The largest decline was in petroleum product shipments.

The increase in the orders backlog of manufacturers in August of 0.6 percent was concentrated in the primary metals and machinery categories. Unfilled orders for primary metals increased $0.9 billion or 3.8 percent to $24.7 billion, while unfilled orders for machinery increased $1.0 billion or 0.8 percent to $120.9 billion. About two thirds of the machinery increase was in the electrical category.

The inventory increase at the end of August of $1.7 billion or 0.7 percent was reflected in both the durable and nondurable goods sector. Inventories of durable goods manufacturers increased $0.8 billion or 0.5 percent to $170.5 billion as a result of widespread increases in the specific categories. Inventories of nondurable goods manufacturers increased $0.9 billion or 1.0 percent to $89.4 billion with most of the increase coming in the food products and chemicals industries.

Within the capital goods industries new orders for nondefense capital goods in August increased $1.4 billion or 6.4 percent to $23.0 billion, following an 11.2 percent decline last month. New orders for defense capital goods were down $2.3 billion or 34 percent following a 13.1 percent decrease in July and a 66 percent increase in June. The backlog of orders for nondefense captial goods at the end of August was valued at $119.9 billion, up $0.5 billion or 0.4 percent from July. Since dropping from a high of $156.8 billion in January 1981 to a low in March 1983 of $118.7 billion, the nondefense backlog has begun edging up slightly, despite an 0.8 percent decline last month.

The advance report on durable goods for September is scheduled for release on October 25, 1983, and the full report is scheduled for release on November 2, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1983[p]	July 1983[r]	June 1983	May 1983	July-Aug.[p]	June-July[r]	May-June	Aug. 1983[p]	July 1983[r]	June 1983	May 1983	1983[p]	1982
	All manufacturing industries	175,321	172,598	173,920	167,965	+1.6	-0.8	+3.5	171,466	158,500	182,537	168,943	1,321,899	1,279,388
	Manufacturing industries with unfilled orders	88,967	88,331	88,931	85,450	+0.7	-0.7	+4.1	86,893	79,752	93,723	85,777	674,340	658,785
	Durable goods industries	87,640	85,646	86,582	82,669	+2.3	-1.1	+4.7	83,172	76,658	92,512	83,953	651,849	622,229
	With unfilled orders	69,969	69,953	70,447	67,347	0.0	-0.7	+4.6	67,683	62,725	74,903	67,793	531,498	524,656
32	Stone, clay, and glass products	4,192	3,987	4,150	4,039	+5.1	-3.9	+2.7	4,423	3,944	4,518	4,108	31,759	29,298
322	Glass containers	430	411	411	422	+4.6	0.0	-2.6	450	406	458	430	3,337	3,259
33	Primary metals	10,001	9,988	9,744	9,481	+0.1	+2.5	+2.8	9,536	8,904	10,201	9,714	74,022	75,682
331	Blast furnaces, steel mills	4,093	3,964	3,937	3,782	+3.3	+0.7	+4.1	3,839	3,524	4,122	3,774	29,596	34,523
333-9	Nonferrous and other primary metals	4,803	4,973	4,793	4,702	-3.4	+3.8	+1.9	4,635	4,490	4,971	4,876	36,857	33,806
34	Fabricated metal products	10,146	10,008	10,055	10,028	+1.4	-0.5	+0.3	10,209	9,217	10,757	10,198	78,071	77,706
341	Metal cans, barrels, and drums	1,004	927	942	932	+8.3	-1.6	+1.1	1,171	1,003	1,043	967	7,663	7,931
35	Machinery, except electrical	15,008	15,410	15,224	14,429	-2.6	+1.2	+5.5	14,122	13,851	16,519	14,315	113,868	122,817
351	Engines and turbines	1,013	1,042	1,034	1,001	-2.8	+0.8	+3.3	945	890	1,122	999	7,881	9,137
352	Farm machinery and equipment	852	851	888	937	+0.1	-4.2	-5.2	769	719	975	1,013	7,188	8,114
353	Construction, mining, and material handling equipment	2,147	2,583	2,529	2,370	-16.9	+2.1	+6.7	2,079	2,482	2,638	2,385	17,908	24,219
354	Metalworking machinery	706	645	579	643	+9.5	+11.4	-10.0	634	563	642	623	5,033	6,833
356	General industrial machinery	1,364	1,261	1,196	1,107	+8.2	+5.4	+8.0	1,322	1,146	1,298	1,128	9,528	10,560
357	Office and computing machines	3,794	4,012	4,160	3,606	-5.4	-3.6	+15.4	3,650	3,422	4,501	3,329	28,494	25,166
36	Electrical machinery	12,878	12,954	13,193	12,738	-0.6	-1.8	+3.6	12,485	11,553	13,989	12,605	99,400	93,424
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,885	1,704	1,777	1,682	+10.6	-4.1	+5.6	1,816	1,484	1,912	1,729	14,093	14,870
363	Household appliances	1,268	1,289	1,227	1,258	-1.6	+5.1	-2.5	1,311	1,235	1,333	1,237	9,784	8,018
365	Radio and TV	776	812	734	732	-4.4	+10.6	+0.3	765	654	836	640	5,408	5,139
366	Communication equipment	3,694	4,058	4,292	3,943	-9.0	-5.5	+8.9	3,516	3,658	4,597	3,992	31,151	29,031
367	Electronic components	2,983	2,855	2,970	2,922	+4.5	-3.9	+1.6	2,884	2,581	3,050	2,916	22,412	20,912
37	Transportation equipment	21,948	19,810	20,631	19,057	+10.8	-4.0	+8.3	18,414	16,744	22,284	20,030	152,860	130,704
371	Motor vehicles and parts	14,688	12,710	12,847	12,097	+15.6	-1.1	+6.2	11,704	10,211	14,088	12,875	94,772	76,405
372,6	Aircraft, missiles, and parts	5,849	5,612	6,285	5,508	+4.2	-10.7	+14.1	5,384	5,113	6,654	5,638	45,904	40,979
3731	Shipbuilding and military tank vehicles	776	811	824	770	-4.3	-1.6	+7.0	739	813	846	823	6,678	7,953
38	Instruments and related products	4,075	4,338	4,087	3,964	-6.1	+6.1	+3.1	4,043	3,892	4,378	3,906	31,888	32,159
381-4	Scientific and engineering instruments	2,403	2,571	2,375	2,308	-6.5	+8.3	+2.9	2,338	2,265	2,534	2,264	18,774	18,539
386	Photographic goods	1,471	1,540	1,510	1,454	-4.5	+2.0	+3.9	1,495	1,424	1,632	1,440	11,513	12,125
24,25, 39	All other durable goods	9,392	9,151	9,498	8,933	+2.6	-3.7	+6.3	9,940	8,553	9,866	9,077	69,981	60,439
	Nondurable goods industries	87,681	86,952	87,338	85,296	+0.8	-0.4	+2.4	88,294	81,842	90,025	84,990	670,050	657,159
	With unfilled orders	18,998	18,378	18,484	18,103	+3.4	-0.6	+2.1	19,210	17,027	18,820	17,984	142,842	134,129
20	Food and kindred products	24,112	23,964	24,217	24,339	+0.6	-1.0	-0.5	24,222	22,498	24,980	23,904	187,893	182,555
201	Meat products	5,507	5,529	5,762	5,710	-0.4	-4.0	+0.9	5,666	5,292	5,744	5,659	44,125	43,424
208	Beverages	3,649	3,679	3,504	3,662	-0.8	+5.0	-4.3	3,872	3,856	4,013	3,819	28,607	27,339
207	Fats and oils	1,435	1,334	1,438	1,442	+7.6	-7.2	-0.3	1,403	1,241	1,389	1,352	10,527	10,518
203-6,9	All other foods	10,260	10,241	10,333	10,313	+0.2	-0.9	+0.2	10,014	8,909	10,530	9,859	79,275	76,038
21	Tobacco products	1,442	1,347	1,763	1,405	+7.1	-23.6	+25.5	1,506	1,374	1,803	1,414	11,009	9,237
22	Textile mill products	4,523	4,476	4,395	4,270	+1.1	+1.8	+2.9	4,615	3,775	4,763	4,332	33,576	31,221
26	Paper and allied products	7,282	7,124	7,126	6,918	+2.2	0.0	+3.0	7,459	6,676	7,423	6,975	55,980	53,174
261-3,6	Pulp, paper etc.	3,086	3,051	3,045	2,910	+1.1	+0.2	+4.6	3,102	2,848	3,187	2,995	23,739	22,728
265	Paperboard containers	1,612	1,607	1,591	1,548	+0.3	+1.0	+2.8	1,646	1,496	1,642	1,554	12,445	12,284
264	All other paper products	2,584	2,466	2,490	2,460	+4.8	-1.0	+1.2	2,711	2,332	2,594	2,426	19,796	18,162
28	Chemicals and allied products	16,058	15,825	16,178	15,681	+1.5	-2.2	+3.2	15,456	14,330	17,010	16,307	123,388	117,583
281,6	Industrial chemicals, except pigments	5,075	5,151	5,186	4,871	-1.5	-0.7	+6.5	4,862	4,718	5,420	4,944	38,604	38,297
283,4	Drugs, soaps, and toiletries	4,087	3,883	4,222	4,164	+5.3	-8.0	+1.4	3,980	3,530	4,438	3,877	32,032	32,045
29	Petroleum and coal products	16,617	16,920	16,501	15,834	-1.8	+2.5	+4.2	16,667	16,610	16,789	15,835	125,560	137,961
30	Rubber and plastics products	4,394	4,429	4,390	4,231	-0.8	+0.9	+3.8	4,513	4,118	4,614	4,237	33,941	34,012
23,27, 31	All other nondurable goods	13,253	12,867	12,768	12,618	+3.0	+0.8	+1.2	13,856	12,461	12,643	11,986	98,703	91,416
	Market categories:													
	Home goods and apparel	12,326	12,369	12,107	11,769	-0.3	+2.2	+2.9	13,353	11,369	12,411	11,182	92,457	86,116
	Consumer staples	32,297	31,680	32,713	32,423	+1.9	-3.2	+0.9	32,289	29,968	33,765	31,756	250,780	240,824
	Equipment and defense products, except automotive	24,345	24,993	25,424	23,448	-2.6	-1.7	+8.4	23,130	22,545	27,302	23,539	189,844	193,128
	Automotive equipment	16,641	14,635	14,783	13,998	+13.7	-1.0	+5.6	13,733	12,074	16,134	14,850	110,009	89,094
	Construction materials, supplies and intermediate products	13,325	13,198	13,552	13,018	+1.0	-2.6	+4.1	14,096	13,014	14,666	13,381	102,087	90,782
	Other materials, supplies, and intermediate products	76,387	75,723	75,341	73,309	+0.9	+0.5	+2.8	74,865	69,530	78,259	74,235	576,722	579,444
	Supplementary series:[2]													
	Capital goods industries	27,907	28,253	28,953	26,788	-1.2	-2.4	+8.1	26,338	25,471	30,963	26,739	215,453	218,602
	Nondefense	22,458	22,570	23,616	21,612	-0.5	-4.4	+9.3	21,157	20,266	25,381	21,467	173,705	182,794
	Defense	5,449	5,683	5,337	5,176	-4.1	+6.5	+3.1	5,181	5,205	5,582	5,272	41,748	35,808
	Household durable goods industries	5,475	5,461	5,534	5,284	+0.3	-1.3	+4.7	5,735	4,745	5,656	5,152	40,914	37,955

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1983p	July 1983r	June 1983	May 1983	July-Aug.p	June-Julyr	May-June	Aug. 1983p	July 1983r	June 1983	May 1983	1983p	1982
	All manufacturing industries	177,314	175,455	178,489	169,874	+1.1	-1.7	+5.1	171,798	160,105	183,816	168,383	1,338,520	1,260,139
	Manufacturing industries with unfilled orders	90,960	91,188	93,500	87,359	-0.3	-2.5	+7.0	87,225	81,357	95,002	85,217	690,961	639,536
	Durable goods industries	89,306	88,234	90,905	84,456	+1.2	-2.9	+7.6	83,144	77,987	93,788	83,297	666,726	603,995
	With unfilled orders	71,635	72,541	74,770	69,134	-1.2	-3.0	+8.2	67,655	64,054	76,179	67,137	546,375	506,422
32	Stone, clay, and glass products	4,217	3,994	4,233	4,061	+5.6	-5.6	+4.2	4,389	3,990	4,561	4,163	32,127	28,852
33	Primary metals	10,909	10,407	10,113	9,963	+4.8	+2.9	+1.5	10,377	9,096	9,886	9,546	77,832	70,660
331	Blast furnaces, steel mills	4,697	4,342	3,925	4,173	+8.2	+10.6	-5.9	4,396	3,699	3,646	3,695	31,702	31,215
333-9	Nonferrous and other primary metals	5,213	4,983	5,109	4,714	+4.6	-2.5	+8.4	5,008	4,427	5,136	4,760	38,460	32,848
34	Fabricated metal products	10,111	9,885	10,133	10,036	+2.3	-2.4	+1.0	9,985	9,220	10,777	10,145	77,799	74,104
35	Machinery, except electrical	15,313	14,844	15,467	14,956	+3.2	-4.0	+3.4	13,864	13,269	16,648	14,564	113,042	109,955
351	Engines and turbines	965	1,026	767	1,171	-5.9	+33.8	-34.5	952	841	713	1,136	7,259	7,732
353	Construction, mining, and material handling equipment	2,270	2,543	2,543	2,539	-10.7	0.0	+0.2	2,129	2,475	2,635	2,426	17,770	19,770
354	Metalworking machinery	818	696	610	694	+17.5	+14.1	-12.1	795	626	681	654	5,074	4,907
356	General industrial machinery	1,221	1,202	1,079	1,096	+1.6	+11.4	-1.6	1,195	1,114	1,149	1,121	9,133	9,634
357	Office and computing machines	3,770	3,576	4,739	3,649	+5.4	-24.5	+29.9	2,981	3,013	5,258	3,481	28,578	23,560
36	Electrical machinery	13,545	14,713	13,432	13,849	-7.9	+9.5	-3.0	13,221	12,976	13,863	13,372	105,461	97,652
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,917	1,721	1,898	1,480	+11.4	-9.3	+28.2	1,864	1,507	1,974	1,526	14,042	14,052
363	Household appliances	1,303	1,287	1,210	1,281	+1.2	+6.4	-5.5	1,345	1,246	1,326	1,269	9,996	8,090
365	Radio and TV	534	974	682	983	-45.2	+42.8	-30.6	618	845	883	878	5,541	5,264
366	Communication equipment	3,912	4,447	4,616	4,339	-12.0	-3.7	+6.4	3,722	3,702	4,330	4,245	33,154	33,564
367	Electronic components	3,551	4,031	2,817	3,561	-11.9	+43.1	-20.9	3,398	3,705	3,065	3,370	26,000	21,199
37	Transportation equipment	21,766	20,495	23,442	18,377	+6.2	-12.6	+27.6	17,210	16,492	23,387	18,167	155,834	129,768
372,6	Aircraft, missiles, and parts	5,491	5,043	8,512	4,349	+8.9	-40.8	+95.7	4,022	4,072	7,950	3,863	47,695	43,217
3731	Shipbuilding and military tank vehicles	298	1,680	1,180	1,170	-82.3	+42.4	+0.9	291	1,095	543	774	6,497	6,715
38	Instruments and related products	4,096	4,487	4,340	4,045	-8.7	+3.4	+7.3	4,075	4,008	4,691	3,929	32,705	32,180
24,25, 39	All other durable goods	9,349	9,409	9,745	9,169	-0.6	-3.4	+6.3	10,023	8,936	9,975	9,411	71,926	60,824
	Nondurable goods industries	88,008	87,221	87,584	85,418	+0.9	-0.4	+2.5	88,654	82,118	90,028	85,086	671,794	656,144
	With unfilled orders	19,325	18,647	18,730	18,225	+3.6	-0.4	+2.8	19,570	17,303	18,823	18,080	144,586	133,114
	Market categories:													
	Home goods and apparel	12,134	12,516	12,144	12,210	-3.1	+3.1	-0.5	13,214	11,706	12,462	11,704	93,927	86,550
	Consumer staples	32,283	31,639	32,670	32,439	+2.0	-3.2	+0.7	32,283	29,985	33,727	31,719	250,702	240,807
	Equipment and defense products, except automotive	24,120	24,998	27,995	23,634	-3.5	-10.7	+18.5	21,134	21,356	28,004	22,387	191,058	187,918
	Automotive equipment	17,287	15,001	15,010	14,059	+15.2	-0.1	+6.8	14,339	12,537	16,258	14,794	111,307	87,410
	Construction materials, supplies and intermediate products	13,494	13,029	13,616	12,755	+3.6	-4.3	+6.8	14,091	12,876	14,669	13,229	102,375	88,857
	Other materials, supplies, and intermediate products	77,996	78,272	77,054	74,777	-0.4	+1.6	+3.0	76,737	71,645	78,696	74,550	589,151	568,597
	Supplementary series:[2]													
	Capital goods industries	27,542	28,481	32,228	27,010	-3.3	-11.6	+19.3	24,464	24,355	31,888	25,428	218,658	210,633
	Nondefense	22,965	21,580	24,289	22,228	+6.4	-11.2	+9.3	21,229	19,541	25,574	21,315	170,910	165,906
	Defense	4,577	6,901	7,939	4,782	-33.7	-13.1	+66.0	3,235	4,814	6,314	4,113	47,748	44,727
	Household durable goods industries	5,299	5,611	5,538	5,701	-5.6	+1.3	-2.9	5,636	5,065	5,688	5,639	42,322	38,463

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of Month				
		Aug. 1983p	July 1983r	June 1983	May 1983	July-Aug.p	June-Julyr	May-June	Aug. 1983p	July 1983r	June 1983	May 1983	Aug. 1982
	All manufacturing industries..	320,342	318,348	315,488	310,922	+0.6	+0.9	+1.5	316,355	316,018	314,420	313,139	302,153
	Durable goods industries.....	309,629	307,963	305,374	301,053	+0.5	+0.8	+1.4	305,631	305,658	304,334	303,057	293,401
32	Stone, clay, and glass products...	2,015	1,990	1,982	1,899	+1.3	+0.4	+4.4	2,024	2,057	2,011	1,968	1,803
33	Primary metals.....	24,739	23,830	23,410	23,042	+3.8	+1.8	+1.6	24,100	23,260	23,068	23,383	21,423
331	Blast furnaces, steel mills.....	14,643	14,038	13,660	13,672	+4.3	+2.8	-0.1	14,174	13,617	13,442	13,918	12,676
333-9	Nonferrous and other primary metals.....	7,815	7,405	7,394	7,079	+5.5	+0.1	+4.4	7,666	7,294	7,357	7,192	6,356
34	Fabricated metal products.....	20,933	20,967	21,090	21,012	-0.2	-0.6	+0.4	20,969	21,193	21,190	21,170	24,823
35	Machinery, except electrical.....	55,191	54,888	55,455	55,213	+0.6	-1.0	+0.4	54,706	54,965	55,547	55,416	60,366
351	Engines and turbines.....	14,555	14,604	14,620	14,888	-0.3	-0.1	-1.8	14,437	14,430	14,480	14,888	16,345
353	Construction, mining, and material handling equipment....	5,568	5,445	5,485	5,471	+2.3	-0.7	+0.3	5,495	5,445	5,452	5,455	6,970
354	Metalworking machinery.....	2,390	2,277	2,226	2,195	+5.0	+2.3	+1.4	2,435	2,275	2,212	2,173	3,032
356	General industrial machinery....	4,254	4,397	4,456	4,573	-3.3	-1.3	-2.6	4,297	4,424	4,456	4,605	5,378
357	Office and computing machines...	18,394	18,418	18,854	18,275	-0.1	-2.3	+3.2	18,228	18,897	19,306	18,549	18,290
36	Electrical machinery.....	65,745	65,076	63,317	63,078	+1.0	+2.8	+0.4	65,666	64,928	63,510	63,634	57,314
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,659	6,626	6,610	6,488	+0.5	+0.2	+1.9	6,710	6,661	6,640	6,578	6,914
363	Household appliances.....	473	439	441	458	+7.7	-0.5	-3.7	518	484	473	479	345
365	Radio and TV.....	401	642	480	532	-37.5	+33.8	-9.8	538	685	495	448	559
366	Communication equipment.....	41,036	40,818	40,428	40,105	+0.5	+1.0	+0.8	40,509	40,302	40,259	40,526	35,603
367	Electronic components.....	15,830	15,261	14,085	14,238	+3.7	+8.3	-1.1	16,004	15,490	14,367	14,352	12,603
37	Transportation equipment.....	128,096	128,279	127,593	124,783	-0.1	+0.5	+2.3	124,817	126,019	126,273	125,171	115,348
372,6	Aircraft, missiles, and parts...	97,254	97,612	98,181	95,954	-0.4	-0.6	+2.3	95,142	96,502	97,543	96,247	91,482
3731	Shipbuilding and military tank vehicles.....	23,568	24,046	23,177	22,822	-2.0	+3.7	+1.6	22,563	23,011	22,729	23,033	18,525
38	Instruments and related products..	7,743	7,722	7,573	7,320	+0.3	+2.0	+3.5	7,790	7,759	7,643	7,331	7,192
24,25, 39	All other durable goods.....	5,167	5,211	4,954	4,706	-0.8	+5.2	+5.3	5,559	5,477	5,092	4,984	4,720
	Nondurable goods industries.....	10,713	10,385	10,114	9,869	+3.2	+2.7	+2.5	10,724	10,360	10,086	10,082	8,752
	Market categories:												
	Home goods and apparel.....	4,008	4,199	4,051	4,015	-4.5	+3.7	+0.9	4,472	4,612	4,274	4,224	4,132
	Consumer staples.....	677	691	732	775	-2.0	-5.6	-5.5	688	694	677	714	741
	Equipment and defense products, except automotive.....	187,987	188,212	188,209	185,639	-0.1	0.0	+1.4	184,252	186,248	187,439	186,736	180,255
	Automotive equipment.....	6,811	6,166	5,800	5,573	+10.5	+6.3	+4.1	6,648	6,042	5,580	5,456	4,780
	Construction materials, supplies and intermediate products.....	12,692	12,523	12,691	12,627	+1.3	-1.3	+0.5	12,737	12,742	12,879	12,876	14,800
	Other materials, supplies, and intermediate products	108,167	106,557	104,005	102,293	+1.5	+2.5	+1.7	107,558	105,680	103,571	103,133	97,445
	Supplementary series:[2]												
	Capital goods industries.....	226,915	227,281	227,053	223,780	-0.2	+0.1	+1.5	222,921	224,791	225,912	224,984	216,151
	Nondefense.....	119,922	119,416	120,405	119,734	+0.4	-0.8	+0.6	119,485	119,411	120,141	119,945	128,530
	Defense.....	106,993	107,865	106,648	104,046	-0.8	+1.1	+2.5	103,436	105,380	105,771	105,039	87,621
	Household durable goods industries.....	3,551	3,726	3,575	3,572	-4.7	+4.2	+0.1	4,002	4,102	3,781	3,750	3,694

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted								Not seasonally adjusted[1]			
		End of month				Percent change				End of Month			
		Aug. 1983[p]	July 1983[r]	June 1983	May 1983	July-Aug.[p]	June-July[r]	May-June	Aug. 1983[p]	July 1983[r]	June 1983	May 1983	Aug. 1982
	All manufacturing industries..	259,880	258,176	257,390	258,149	+0.7	+0.3	-0.3	258,423	257,422	257,931	260,480	272,635
	Manufacturing industries with unfilled orders.....	176,803	175,846	176,144	176,910	+0.5	-0.2	-0.4	176,785	176,562	177,543	179,163	187,976
	Durable goods industries.....	170,504	169,693	169,840	170,734	+0.5	-0.1	-0.5	170,142	169,590	170,623	172,589	181,159
	With unfilled orders.....	155,957	155,127	155,658	156,542	+0.5	-0.3	-0.6	155,749	155,374	156,431	158,170	166,669
32	Stone, clay, and glass products...	5,758	5,725	5,694	5,727	+0.6	+0.5	-0.6	5,690	5,757	5,797	5,923	6,012
322	Glass containers.....	603	614	630	640	-1.8	-2.5	-1.6	612	630	638	658	663
33	Primary metals.....	20,009	20,105	20,302	20,563	-0.5	-1.0	-1.3	19,867	20,047	20,152	20,584	23,392
331	Blast furnaces, steel mills.....	9,557	9,771	9,808	9,961	-2.2	-0.4	-1.5	9,576	9,751	9,681	9,851	12,099
333-9	Nonferrous and other primary metals.....	9,247	9,172	9,323	9,434	+0.8	-1.6	-1.2	9,118	9,153	9,295	9,528	10,105
34	Fabricated metal products.....	17,754	17,603	17,418	17,310	+0.9	+1.1	+0.6	17,609	17,672	17,710	17,726	19,099
341	Metal cans, barrels, and drums..	2,076	2,105	1,954	2,040	-1.4	+7.7	-4.2	1,979	2,212	2,173	2,293	1,794
35	Machinery, except electrical.....	37,324	37,310	37,842	38,197	0.0	-1.4	-0.9	37,142	37,340	38,056	38,686	42,424
351	Engines and turbines.....	2,145	2,193	2,155	2,178	-2.2	+1.8	-1.1	2,109	2,146	2,155	2,198	2,538
352	Farm machinery and equipment....	1,949	1,902	1,953	1,901	+2.5	-2.6	+2.7	1,916	1,885	1,998	1,964	2,366
353	Construction, mining, and material handling equipment....	7,537	7,466	7,782	7,991	+1.0	-4.1	-2.6	7,462	7,489	7,852	8,103	10,115
354	Metalworking machinery.....	2,270	2,311	2,292	2,272	-1.8	+0.8	+0.9	2,274	2,323	2,301	2,296	2,591
356	General industrial machinery....	3,681	3,741	3,823	3,924	-1.6	-2.1	-2.6	3,655	3,749	3,857	3,947	4,010
357	Office and computing machines...	9,910	9,896	9,871	9,827	+0.1	+0.3	+0.4	9,999	9,995	9,881	9,905	9,778
36	Electrical machinery.....	27,095	26,791	26,711	26,424	+1.1	+0.3	+1.1	27,133	26,922	27,094	26,946	27,367
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,009	3,966	3,977	3,975	+1.1	-0.3	+0.1	3,996	3,975	4,015	4,060	4,363
363	Household appliances.....	1,767	1,794	1,925	1,829	-1.5	-6.8	+5.2	1,737	1,821	2,019	1,962	1,835
365	Radio and TV.....	972	944	981	944	+3.0	-3.8	+3.9	1,017	989	1,009	991	1,302
366	Communication equipment.....	10,758	10,677	10,449	10,399	+0.8	+2.2	+0.5	10,744	10,658	10,461	10,477	10,107
367	Electronic components.....	5,583	5,438	5,381	5,353	+2.7	+1.1	+0.5	5,589	5,487	5,472	5,406	5,581
37	Transportation equipment.....	39,471	39,334	39,267	39,826	+0.3	+0.2	-1.4	39,586	38,971	38,943	39,739	39,194
371	Motor vehicles and parts.....	8,403	8,594	8,375	8,466	-2.2	+2.6	-1.1	8,495	8,081	8,092	8,333	8,534
372,6	Aircraft, missiles, and parts...	28,056	27,737	27,928	28,390	+1.2	-0.7	-1.6	28,136	27,964	27,928	28,466	27,440
3731	Shipbuilding and military tank vehicles.....	1,553	1,582	1,573	1,615	-1.8	+0.6	-2.6	1,554	1,589	1,592	1,605	1,681
38	Instruments and related products..	8,985	8,873	8,840	8,965	+1.3	+0.4	-1.4	8,984	8,942	9,039	9,153	9,572
381-4	Scientific and engineering instruments.....	6,420	6,369	6,360	6,489	+0.8	+0.1	-2.0	6,394	6,407	6,488	6,580	6,572
386	Photographic goods.....	2,034	1,965	1,952	1,956	+3.5	+0.7	-0.2	2,065	1,995	2,014	2,036	2,407
24,25, 39	All other durable goods.....	14,108	13,952	13,766	13,722	+1.1	+1.4	+0.3	14,131	13,939	13,832	13,832	14,099
	Nondurable goods industries.....	89,376	88,483	87,550	87,415	+1.0	+1.1	+0.2	88,281	87,832	87,308	87,891	91,476
	With unfilled orders.....	20,846	20,719	20,486	20,368	+0.6	+1.1	+0.6	21,036	21,188	21,112	20,993	21,307
20	Food and kindred products.....	21,206	20,325	20,201	20,496	+4.3	+0.6	-1.4	20,601	19,437	19,136	19,641	20,723
201	Meat products.....	1,963	1,974	1,970	2,043	-0.6	+0.2	-3.6	1,871	1,909	1,966	2,066	1,963
208	Beverages.....	3,569	3,600	3,687	3,685	-0.9	-2.4	+0.1	3,376	3,445	3,609	3,692	3,412
207	Fats and oils.....	1,765	1,308	1,187	1,226	+34.9	+10.2	-3.2	1,403	1,133	1,099	1,188	997
203-6,9	All other foods.....	12,210	11,700	11,636	11,833	+4.4	+0.6	-1.7	12,210	11,162	10,705	10,934	12,626
21	Tobacco products.....	4,641	5,030	4,708	4,609	-7.7	+6.8	+2.1	4,316	4,477	4,416	4,503	4,317
22	Textile mill products.....	6,671	6,605	6,478	6,349	+1.0	+2.0	+2.0	6,597	6,600	6,561	6,574	6,273
26	Paper and allied products.....	8,372	8,334	8,326	8,347	+0.5	+0.1	-0.3	8,358	8,430	8,545	8,597	8,585
261-3,6	Pulp, paper etc.	3,216	3,242	3,272	3,305	-0.8	-0.9	-1.0	3,226	3,238	3,315	3,373	3,390
265	Paperboard containers.....	2,192	2,167	2,152	2,155	+1.2	+0.7	-0.1	2,198	2,230	2,238	2,218	2,256
264	All other paper products.....	2,964	2,925	2,902	2,887	+1.3	+0.8	+0.5	2,934	2,962	2,992	3,006	2,939
28	Chemicals and allied products.....	19,946	19,509	19,253	19,267	+2.2	+1.3	-0.1	19,488	19,429	19,176	19,521	20,641
281,6	Industrial chemicals, except pigments	5,902	5,764	5,789	5,862	+2.4	-0.4	-1.2	5,837	5,805	5,794	5,968	6,650
283,4	Drugs, soaps, and toiletries ...	6,287	6,228	6,150	6,206	+0.9	+1.3	-0.9	6,287	6,277	6,292	6,367	6,436
29	Petroleum and coal products	8,277	8,487	8,505	8,584	-2.5	-0.2	-0.9	8,429	8,595	8,493	8,517	9,524
30	Rubber and plastics products.....	5,661	5,722	5,734	5,656	-1.1	-0.2	+1.4	5,511	5,691	5,790	5,822	5,893
23,27, 31	All other nondurable goods.....	14,602	14,471	14,345	14,107	+0.9	+0.9	+1.7	14,981	15,173	15,191	14,716	15,520
	Market categories:												
	Home goods and apparel.....	20,271	20,229	20,226	19,893	+0.2	0.0	+1.7	20,523	20,797	21,149	20,767	21,384
	Consumer staples.....	33,325	33,237	32,812	32,982	+0.3	+1.3	-0.5	32,818	32,099	31,782	32,276	33,730
	Equipment and defense products, except automotive.....	73,270	72,899	73,193	74,126	+0.5	-0.4	-1.3	73,072	73,069	73,523	74,804	77,369
	Automotive equipment.....	10,506	10,635	10,426	10,509	-1.2	+2.0	-0.8	10,492	10,027	10,101	10,406	10,626
	Construction materials, supplies and intermediate products.....	19,276	19,018	18,777	18,545	+1.4	+1.3	+1.3	19,059	18,951	18,961	18,855	19,524
	Other materials, supplies, and intermediate products	103,232	102,158	101,956	102,094	+1.1	+0.2	-0.1	102,459	102,479	102,415	103,372	110,002
	Supplementary series:[2]												
	Capital goods industries.....	83,153	82,781	83,256	84,006	+0.4	-0.6	-0.9	83,080	83,067	83,650	84,838	87,416
	Nondefense.....	65,299	65,433	65,945	66,766	-0.2	-0.8	-1.2	65,162	65,464	66,088	67,388	72,653
	Defense.....	17,854	17,348	17,311	17,240	+2.9	+0.2	+0.4	17,918	17,603	17,562	17,450	14,763
	Household durable goods industries.....	9,713	9,774	9,862	9,786	-0.6	-0.9	+0.8	9,839	9,932	10,130	10,105	10,575

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of Month				Percent change			End of Month				
		Aug. 1983p	July 1983r	June 1983	May 1983	July-Aug.p	June-Jullyr	May-June	Aug. 1983p	July 1983r	June 1983	May 1983	Aug. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,719	85,168	85,322	85,174	+1.8	-0.2	+0.2	85,765	84,906	85,019	85,427	90,509
	Durable goods industries.....	51,001	50,137	50,333	50,582	+1.7	-0.4	-0.5	50,975	50,241	50,238	50,545	54,898
32	Stone, clay, and glass products...	1,950	1,901	1,911	1,928	+2.6	-0.5	-0.9	1,930	1,915	1,917	1,929	2,086
33	Primary metals	6,697	6,808	6,944	7,078	-1.6	-2.0	-1.9	6,654	6,747	6,816	6,901	8,522
34	Fabricated metal products.....	6,806	6,708	6,657	6,712	+1.5	+0.8	-0.8	6,770	6,781	6,676	6,771	7,141
35	Machinery, except electrical.....	10,508	10,597	10,769	10,998	-0.8	-1.6	-2.1	10,471	10,645	10,793	11,015	11,836
36	Electrical Machinery.....	7,417	7,161	7,283	7,206	+3.6	-1.7	+1.1	7,486	7,326	7,372	7,312	7,692
37	Transportation equipment.....	9,896	9,445	9,281	9,123	+4.8	+1.8	+1.7	9,901	9,291	9,271	9,179	9,397
38	Instruments and related products..	2,535	2,476	2,489	2,601	+2.4	-0.5	-4.3	2,522	2,486	2,521	2,606	2,963
24,25, 39	All other durable goods.....	5,192	5,041	4,999	4,936	+3.0	+0.8	+1.3	5,241	5,050	4,872	4,832	5,261
	Nondurable goods industries.....	35,718	35,031	34,989	34,592	+2.0	+0.1	+1.1	34,790	34,665	34,781	34,882	35,611
20	Food and kindred products.....	8,009	7,468	7,530	7,539	+7.2	-0.8	-0.1	7,532	7,236	7,269	7,444	7,184
21	Tobacco products.....	4,094	4,338	4,172	4,047	-5.6	+4.0	+3.1	3,822	3,895	3,926	3,991	3,890
22	Textile mill products.....	2,093	2,076	1,941	1,892	+0.8	+7.0	+2.6	2,034	2,085	2,002	1,985	1,884
26	Paper and allied products.....	4,150	4,082	4,157	4,151	+1.7	-1.8	+0.1	4,175	4,166	4,201	4,175	4,258
28	Chemicals and allied products.....	7,541	7,302	7,265	7,212	+3.3	+0.5	+0.7	7,401	7,335	7,225	7,335	7,902
29	Petroleum and coal products.....	2,235	2,288	2,477	2,446	-2.3	-7.6	+1.3	2,206	2,294	2,519	2,542	2,512
30	Rubber and plastics products.....	1,983	2,032	2,050	2,001	-2.4	-0.9	+2.4	1,941	2,065	2,077	2,008	1,974
23,27, 31	All other nondurable goods.....	5,613	5,445	5,397	5,304	+3.1	+0.9	+1.8	5,679	5,589	5,562	5,402	6,257
	WORK IN PROCESS												
	All manufacturing industries..	90,137	90,522	90,134	90,860	-0.4	+0.4	-0.8	90,503	90,350	89,982	91,464	94,624
	Durable goods industries.....	75,650	76,081	75,928	76,686	-0.6	+0.2	-1.0	75,985	75,909	75,830	77,118	79,250
32	Stone, clay, and glass products...	795	786	843	829	+1.1	-6.8	+1.7	781	783	874	873	900
33	Primary metals	7,286	7,350	7,202	7,285	-0.9	+2.1	-1.1	7,407	7,430	7,207	7,365	8,561
34	Fabricated metal products.....	6,201	6,098	6,058	6,011	+1.7	+0.7	+0.8	6,193	6,160	6,190	6,177	6,629
35	Machinery, except electrical.....	15,049	15,195	15,473	15,621	-1.0	-1.8	-0.9	15,040	15,021	15,336	15,752	17,349
36	Electrical Machinery.....	14,242	14,301	13,985	13,888	-0.4	+2.3	+0.7	14,290	14,288	14,087	14,023	13,638
37	Transportation equipment.....	24,791	25,070	25,117	25,837	-1.1	-0.2	-2.8	24,927	24,915	24,813	25,659	24,744
38	Instruments and related products..	3,977	3,970	4,027	4,005	+0.2	-1.4	+0.5	3,997	3,993	4,083	4,060	4,121
24,25, 39	All other durable goods.....	3,309	3,311	3,223	3,210	-0.1	+2.7	+0.4	3,350	3,319	3,240	3,209	3,308
	Nondurable goods industries.....	14,487	14,441	14,206	14,174	+0.3	+1.7	+0.2	14,518	14,441	14,152	14,346	15,374
20	Food and kindred products.....	1,820	1,735	1,710	1,759	+4.9	+1.5	-2.8	1,728	1,679	1,702	1,770	1,833
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,114	2,090	2,098	2,048	+1.1	-0.4	+2.4	2,114	2,070	2,060	2,073	2,010
26	Paper and allied products.....	1,042	1,092	1,038	1,034	-4.6	+5.2	+0.4	1,061	1,092	1,070	1,052	1,105
28	Chemicals and allied products.....	3,397	3,331	3,267	3,261	+2.0	+2.0	+0.2	3,354	3,319	3,262	3,323	3,521
29	Petroleum and coal products.....	1,786	1,747	1,820	1,859	+2.2	-4.0	-2.1	1,802	1,783	1,823	1,874	2,259
30	Rubber and plastics products.....	997	1,000	970	922	-0.3	+3.1	+5.2	986	988	948	923	1,209
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	83,024	82,486	81,934	82,115	+0.7	+0.7	-0.2	82,155	82,166	82,930	83,589	87,502
	Durable goods industries.....	43,853	43,475	43,579	43,466	+0.9	-0.2	+0.3	43,182	43,440	44,555	44,926	47,011
32	Stone, clay, and glass products...	3,013	3,038	2,940	2,970	-0.8	+3.3	-1.0	2,979	3,059	3,006	3,121	3,026
33	Primary metals	6,026	5,947	6,156	6,200	+1.3	-3.4	-0.7	5,806	5,870	6,129	6,318	6,309
34	Fabricated metal products.....	4,747	4,797	4,703	4,587	-1.0	+2.0	+2.5	4,646	4,731	4,844	4,778	5,329
35	Machinery, except electrical.....	11,767	11,518	11,600	11,578	+2.2	-0.7	+0.2	11,631	11,674	11,927	11,919	13,239
36	Electrical Machinery.....	5,436	5,329	5,443	5,330	+2.0	-2.1	+2.1	5,357	5,308	5,635	5,611	6,037
37	Transportation equipment.....	4,784	4,819	4,869	4,866	-0.7	-1.0	+0.1	4,758	4,765	4,859	4,901	5,053
38	Instruments and related products..	2,473	2,427	2,324	2,359	+1.9	+4.4	-1.5	2,465	2,463	2,435	2,487	2,488
24,25, 39	All other durable goods.....	5,607	5,600	5,544	5,576	+0.1	+1.0	-0.6	5,540	5,570	5,720	5,791	5,530
	Nondurable goods industries.....	39,171	39,011	38,355	38,649	+0.4	+1.7	-0.8	38,973	38,726	38,375	38,663	40,491
20	Food and kindred products.....	11,377	11,122	10,961	11,198	+2.3	+1.5	-2.1	11,341	10,522	10,165	10,427	11,706
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,464	2,439	2,439	2,409	+1.0	0.0	+1.2	2,449	2,445	2,499	2,516	2,379
26	Paper and allied products.....	3,180	3,160	3,131	3,162	+0.6	+0.9	-1.0	3,122	3,172	3,274	3,370	3,222
28	Chemicals and allied products.....	9,008	8,876	8,721	8,794	+1.5	+1.8	-0.8	8,733	8,775	8,689	8,863	9,218
29	Petroleum and coal products.....	4,256	4,452	4,208	4,279	-4.4	+5.8	-1.7	4,421	4,518	4,151	4,101	4,753
30	Rubber and plastics products.....	2,681	2,690	2,714	2,733	-0.3	-0.9	-0.7	2,584	2,638	2,765	2,891	2,710
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

pPreliminary. rRevised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Aug. 1983[p]	July 1983[r]	June 1983	May 1983	Aug. 1983[p]	July 1983[r]	June 1983	May 1983
	All manufacturing industries	1.48	1.50	1.48	1.54	3.60	3.60	3.55	3.64
	Durable goods industries	1.95	1.98	1.96	2.07	4.43	4.40	4.33	4.47
32	Stone, clay, and glass products	1.37	1.44	1.37	1.42	0.54	0.56	0.53	0.53
33	Primary metals	2.00	2.01	2.08	2.17	2.47	2.39	2.40	2.43
34	Fabricated metal products	1.75	1.76	1.73	1.73	2.29	2.31	2.31	2.31
35	Machinery, except electrical	2.49	2.42	2.49	2.65	3.90	3.77	3.87	4.09
36	Electrical machinery	2.10	2.07	2.02	2.07	5.11	5.02	4.80	4.95
37	Transportation equipment	1.80	1.99	1.90	2.09	11.32	11.62	10.94	11.76
38	Instruments and related products	2.20	2.05	2.16	2.26	1.90	1.78	1.85	1.85
	Nondurable goods industries	1.02	1.02	1.00	1.02	0.56	0.57	0.55	0.55
20	Food and kindred products	0.88	0.85	0.83	0.84	(X)	(X)	(X)	(X)
21	Tobacco products	3.22	3.73	2.67	3.28	(X)	(X)	(X)	(X)
22	Textile mill products	1.47	1.48	1.47	1.49	1.41	1.36	1.31	1.31
26	Paper and allied products	1.15	1.17	1.17	1.21	0.46	0.46	0.44	0.45
28	Chemicals and allied products	1.24	1.23	1.19	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.50	0.50	0.52	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.29	1.29	1.31	1.34	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983	Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983	Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983	Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983
	All manufacturing industries	0.6	0.5	0.4	0.1	0.4	0.4	0.2	0.1	0.2	0.1	0.1	0.1
	Durable goods industries	0.2	0.4	0.3	0.3	0.8	0.7	0.1	0.1	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products	2.2	1.0	1.2	1.5	1.3	1.5	1.2	0.9	1.6	0.1	0.4	0.7
33	Primary metals	0.4	0.6	0.9	0.4	0.5	1.4	0.0	0.1	0.4	0.2	0.1	0.3
34	Fabricated metal products	0.8	0.4	1.0	2.8	1.0	2.0	0.7	0.3	0.5	0.1	0.3	0.3
35	Machinery, except electrical	0.9	1.7	0.9	4.5	3.6	2.3	1.2	0.4	0.6	0.0	0.1	0.2
36	Electrical machinery	0.5	0.8	0.7	0.6	2.6	1.3	0.0	0.2	0.2	0.0	0.1	0.2
37	Transportation equipment	0.3	0.6	1.0	2.1	1.1	1.6	0.4	0.3	0.2	0.0	0.2	0.2
38	Instruments and related products	0.1	0.4	0.7	0.9	0.8	1.2	0.6	0.4	0.6	0.2	0.1	0.5
	Nondurable goods industries	0.8	0.4	0.5	0.7	0.4	0.4	0.6	1.2	0.5	0.4	0.3	0.3
20	Food and kindred products	1.0	1.0	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.3	1.1	0.6
21	Tobacco products	0.0	1.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.5	0.1
22	Textile mill products	1.2	0.7	1.3	0.1	1.6	1.2	1.1	1.5	1.0	0.2	0.2	0.5
26	Paper and allied products	0.8	0.8	1.1	0.7	1.7	1.8	0.2	2.6	1.6	0.2	0.6	0.4
28	Chemicals and allied products	1.6	1.1	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.3
29	Petroleum and coal products	0.4	0.5	0.8	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.8	1.0
30	Rubber and plastics products	0.3	1.1	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.7	0.9
	Capital Goods Industries:												
	Nondefense	0.2	1.3	1.0	2.2	2.8	2.1	0.4	0.2	0.6	0.1	0.2	0.2
	Defense	0.4	2.4	0.9	1.1	3.2	4.1	0.0	0.3	0.4	0.1	0.1	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C
3.158:
M 3-1(83)-9

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
FEB 8 1984
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

SEPTEMBER 1983
M3-1(83)-9
FOR WIRE TRANSMISSION 3:00 P.M. E.S.T. Wednesday, November 2, 1983

(All figures in text are in seasonally adjusted current dollars)

Summary. New orders for manufactured goods in September increased $2.7 billion or 1.5 percent from August to $181.0 billion. The value of manufacturers' shipments increased $2.9 billion or 1.6 percent to $178.9 billion. Manufacturers' unfilled orders at the end of September were estimated at $322.8 billion, up $2.1 billion or 0.7 percent from August; the book value of manufacturers' inventories at the end of September was $260.9 billion, up $1.1 billion or 0.4 percent from August.

New Orders. The increase of 1.5 percent in new orders in September was the eighth in the last 10 months, since the recession low of $152.4 billion was reached last October. So far this year new orders increased during the first quarter an average of 1.2 percent per month, and during the second quarter an average of 3.2 percent per month; in the third quarter the average rate of increase was only 0.5 percent per month.

About two thirds of the $2.7 billion increase in new orders in September came from the nondurable goods sector, where for most industries new orders are equated to shipments for the month. The increase in orders for durable goods of $1.0 billion or 1.1 percent reversed the earlier reported 0.5 percent decline. The revisions were due to more complete reporting in the machinery and transportation equipment industries.

Most of the durable goods industries showed increases in new orders in September, but the increases were partially offset by a large decline in new orders for transportation equipment. In that industry, new orders for motor vehicles and parts declined 14.0 percent. The largest increase in new orders occurred in the nonelectrical machinery category where an increase of $1.8 billion or 11.7 percent was recorded. The value of new orders for nonelectrical machinery in September was $17.2 billion, 44 percent above last December for an average increase of nearly 5.0 percent per month this year.

Within the capital goods sector, new orders for nondefense capital goods increased $2.2 billion or 9.5 percent to $25.2 billion. The office and computing equipment and communication equipment industries showed the largest gains. New orders for defense capital goods increased in September by $0.3 billion or 6.0 percent to $4.8 billion.

Shipments. The increase in shipments of manufactured goods in September of $2.9 billion or 1.6 percent reflected increases of about the same size in both the durable and nondurable goods sectors. An increase in durable goods shipments of $1.3 billion or 1.5 percent resulted from increases in all industries except motor vehicles and parts. That industry showed a large decline of $1.2 billion or 8.4 percent.

Increases in shipments by the nondurable goods industries were similarly widespread. The largest came in the food products category, up $0.7 billion or 2.9 percent to $24.8 billion; in chemicals, up $0.5 billion or 3.2 percent to $16.7 billion; and in tobacco products, up $0.4 billion or 27 percent to $1.8 billion.

Unfilled Orders. The backlog of orders held by manufacturers at the end of September was estimated at $322.8 billion, up $2.1 billion or 0.7 percent from August. Although the unfilled orders level has been generally increasing since last November, the rate of increase has been declining since June. The June increase was 1.5 percent, July was 0.9 percent, August was 0.7 percent.

Most of the major industries showed increases in unfilled orders at the end of September. Primary metals backlog was up $0.9 billion or 3.5 percent to $25.6 billion; the nonelectrical machinery backlog was up $1.5 billion or 2.7 percent to $56.6 billion; and the electrical machinery backlog was up $0.6 billion or 1.0 percent to $66.8 billion.

The backlog of orders for transportation equipment declined $1.3 billion or 1.0 percent to $126.7 billion with the shipbuilding, aircraft and parts and motor vehicles and parts all showing decreases.

Inventories. The increase in the value of manufacturers' inventories in September of $1.1 billion or 0.4 percent to $260.9 billion was the fourth increase in the last five months. Prior to that, inventories had declined from $284.3 billion in November 1981 to $257.4 billion in April, 1983. Nondurable goods industries showed an increase in inventories in September of $0.4 billion or 0.5 percent to $89.7 billion, while the durable goods industries increased $0.7 billion or 0.4 percent to $171.3 billion.

Inventories of materials and supplies increased for the second month in a row, following a nearly two year downward trend. September materials and supplies increased 0.7 percent while the August increase was 1.8 percent. Work in process inventories also increased in September, going up 0.8 percent from August. Finished goods inventories showed a slight decline in September of 0.2 percent. The inventory to shipments ratio in September was 1.46; down from 1.48 in August and 1.50 in July.

Scheduled Release Dates. The advance report on durable goods for October is scheduled for release on November 22, 1983, and the full report is scheduled for release on December 2, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	1983[p]	1982
	All manufacturing industries	178,887	175,989	172,598	173,920	+1.6	+2.0	-0.8	186,806	172,163	158,500	182,537	1,509,402	1,446,936
	Manufacturing industries with unfilled orders	91,581	89,531	88,331	88,931	+2.3	+1.4	-0.7	96,090	87,475	79,752	93,723	771,012	744,018
	Durable goods industries	89,206	87,918	85,646	86,582	+1.5	+2.7	-1.1	93,599	83,450	76,658	92,512	745,726	702,389
	With unfilled orders	72,815	70,421	69,953	70,447	+3.4	+0.7	-0.7	76,352	68,143	62,725	74,903	608,310	592,060
32	Stone, clay, and glass products	4,339	4,241	3,987	4,150	+2.3	+6.4	-3.9	4,701	4,475	3,944	4,518	36,512	33,287
322	Glass containers	417	424	411	411	-1.7	+3.2	0.0	431	443	406	458	3,761	3,671
33	Primary metals	10,119	10,048	9,988	9,744	+0.7	+0.6	+2.5	10,392	9,581	8,904	10,201	84,459	84,275
331	Blast furnaces, steel mills	4,094	4,115	3,964	3,937	-0.5	+3.8	+0.7	4,122	3,860	3,524	4,122	33,739	38,138
333-9	Nonferrous and other primary metals	4,931	4,833	4,973	4,793	+2.0	-2.8	+3.8	5,168	4,664	4,490	4,971	42,054	37,992
34	Fabricated metal products	10,879	10,328	10,008	10,055	+5.3	+3.2	-0.5	11,296	10,389	9,217	10,757	89,547	87,531
341	Metal cans, barrels, and drums	959	998	927	942	-3.9	+7.7	-1.6	1,087	1,163	1,003	1,043	8,742	9,002
35	Machinery, except electrical	15,735	15,111	15,410	15,224	+4.1	-1.9	+1.2	16,337	14,224	13,851	16,519	130,307	138,305
351	Engines and turbines	1,074	982	1,042	1,034	+9.4	-5.8	+0.8	1,111	917	890	1,122	8,964	10,153
352	Farm machinery and equipment	922	864	851	888	+6.7	+1.5	-4.2	937	780	719	975	8,136	9,082
353	Construction, mining, and material handling equipment	2,591	2,236	2,583	2,529	+15.9	-13.4	+2.1	2,637	2,165	2,482	2,638	20,631	27,178
354	Metalworking machinery	755	712	645	579	+6.0	+10.4	+11.4	787	640	563	642	5,826	7,605
356	General industrial machinery	1,250	1,364	1,261	1,196	-8.4	+8.2	+5.4	1,273	1,322	1,146	1,298	10,801	11,819
357	Office and computing machines	4,022	3,833	4,012	4,160	+4.9	-4.5	-3.6	4,388	3,688	3,422	4,501	32,920	28,919
36	Electrical machinery	13,726	12,870	12,954	13,193	+6.7	-0.6	-1.8	14,502	12,481	11,553	13,989	113,898	105,725
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,004	1,883	1,704	1,777	+6.4	+10.5	-4.1	2,086	1,815	1,484	1,912	16,178	16,766
363	Household appliances	1,309	1,309	1,289	1,227	0.0	+1.6	+5.1	1,422	1,354	1,235	1,333	11,249	9,136
365	Radio and TV	726	675	812	734	+7.6	-16.9	+10.6	872	666	654	836	6,181	5,894
366	Communication equipment	4,246	3,734	4,058	4,292	+13.7	-8.0	-5.5	4,340	3,555	3,658	4,597	35,530	32,764
367	Electronic components	3,106	3,018	2,855	2,970	+2.9	+5.7	-3.9	3,268	2,919	2,581	3,050	25,715	23,656
37	Transportation equipment	20,705	21,917	19,810	20,631	-5.5	+10.6	-4.0	21,536	18,389	16,744	22,284	174,371	147,834
371	Motor vehicles and parts	13,442	14,672	12,710	12,847	-8.4	+15.4	-1.1	14,003	11,693	10,211	14,088	108,764	86,429
372,6	Aircraft, missiles, and parts	5,726	5,857	5,612	6,285	-2.2	+4.4	-10.7	6,034	5,391	5,113	6,654	51,945	46,586
3731,95	Shipbuilding and military tank vehicles	868	762	811	824	+13.9	-6.0	-1.6	866	726	813	846	7,531	8,970
38	Instruments and related products	4,277	4,116	4,338	4,087	+3.9	-5.1	+6.1	4,551	4,082	3,892	4,378	36,478	36,675
381-4	Scientific and engineering instruments	2,504	2,443	2,571	2,375	+2.5	-5.0	+8.3	2,644	2,377	2,265	2,534	21,457	21,188
386	Photographic goods	1,579	1,469	1,540	1,510	+7.5	-4.6	+2.0	1,688	1,492	1,424	1,632	13,198	13,777
24,25, 39	All other durable goods	9,426	9,287	9,151	9,498	+1.5	+1.5	-3.7	10,284	9,829	8,553	9,866	80,154	68,757
	Nondurable goods industries	89,681	88,071	86,952	87,338	+1.8	+1.3	-0.4	93,207	88,713	81,842	90,025	763,676	744,547
	With unfilled orders	18,766	19,110	18,378	18,484	-1.8	+4.0	-0.6	19,738	19,332	17,027	18,820	162,702	151,958
20	Food and kindred products	24,823	24,131	23,964	24,217	+2.9	+0.7	-1.0	26,286	24,244	22,498	24,980	214,201	207,422
201	Meat products	5,366	5,498	5,529	5,762	-2.4	-0.6	-4.0	5,570	5,657	5,292	5,744	49,686	49,269
208	Beverages	3,635	3,706	3,679	3,504	-1.9	+0.7	+5.0	3,664	3,932	3,856	4,013	32,331	30,740
207	Fats and oils	1,518	1,420	1,334	1,438	+6.9	+6.4	-7.2	1,550	1,389	1,241	1,389	12,063	11,715
203-6,9	All other foods	10,998	10,297	10,241	10,333	+6.8	+0.5	-0.9	12,120	10,050	8,909	10,530	91,431	87,205
21	Tobacco products	1,825	1,441	1,347	1,763	+26.6	+7.0	-23.6	1,817	1,505	1,374	1,803	12,825	10,735
22	Textile mill products	4,573	4,560	4,476	4,395	+0.3	+1.9	+1.8	4,882	4,651	3,775	4,763	38,494	35,473
26	Paper and allied products	7,379	7,307	7,124	7,126	+1.0	+2.6	0.0	7,578	7,487	6,676	7,423	63,586	59,928
261-3,6	Pulp, paper etc	3,180	3,086	3,051	3,045	+3.0	+1.1	+0.2	3,191	3,103	2,848	3,187	26,931	25,527
265	Paperboard containers	1,604	1,606	1,607	1,591	-0.1	-0.1	+1.0	1,669	1,640	1,496	1,642	14,108	13,896
264	All other paper products	2,595	2,615	2,466	2,490	-0.8	+6.0	-1.0	2,718	2,744	2,332	2,594	22,547	20,505
28	Chemicals and allied products	16,721	16,196	15,825	16,178	+3.2	+2.3	-2.2	16,992	15,591	14,330	17,010	140,515	132,531
281,6	Industrial chemicals, except pigments	5,409	5,143	5,151	5,186	+5.2	-0.2	-0.7	5,371	4,927	4,718	5,420	44,040	42,877
283,4	Drugs, soaps, and toiletries	3,815	4,188	3,883	4,222	-8.9	+7.9	-8.0	4,479	4,079	3,530	4,438	36,610	36,759
29	Petroleum and coal products	16,808	16,669	16,920	16,501	+0.8	-1.5	+2.5	16,836	16,723	16,610	16,789	142,452	155,785
30	Rubber and plastics products	4,479	4,321	4,429	4,390	+3.7	-2.4	+0.9	4,637	4,438	4,118	4,614	38,503	38,454
23,27, 31	All other nondurable goods	13,073	13,446	12,867	12,768	-2.8	+4.5	+0.8	14,179	14,074	12,461	12,643	113,100	104,219
	Market categories:													
	Home goods and apparel	12,679	12,520	12,369	12,107	+1.3	+1.2	+2.2	14,209	13,581	11,369	12,411	106,894	98,569
	Consumer staples	32,780	32,419	31,680	32,713	+1.1	+2.3	-3.2	34,970	32,412	29,968	33,765	285,873	274,394
	Equipment and defense products, except automotive	25,877	24,569	24,993	25,424	+5.3	-1.7	-1.7	26,940	23,348	22,545	27,302	217,002	218,523
	Automotive equipment	15,349	16,579	14,635	14,783	-7.4	+13.3	-1.0	16,019	13,673	12,074	16,134	125,968	100,685
	Construction materials, supplies and intermediate products	14,006	13,407	13,198	13,552	+4.5	+1.6	-2.6	14,918	14,181	13,014	14,666	117,090	102,924
	Other materials, supplies, and intermediate products	78,196	76,495	75,723	75,341	+2.2	+1.0	+0.5	79,750	74,968	69,530	78,259	656,575	651,841
	Supplementary series:[2]													
	Capital goods industries	29,285	28,007	28,253	28,953	+4.6	-0.9	-2.4	30,544	26,437	25,471	30,963	246,096	246,840
	Nondefense	23,886	22,565	22,570	23,616	+5.9	0.0	-4.4	24,922	21,261	20,266	25,381	198,731	205,840
	Defense	5,399	5,442	5,683	5,337	-0.8	-4.2	+6.5	5,622	5,176	5,205	5,582	47,365	41,000
	Household durable goods industries	5,575	5,470	5,461	5,534	+1.9	+0.2	-1.3	6,328	5,738	4,745	5,656	47,245	43,568

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1983[p]	Aug.[r] 1983	July 1983	June 1983	Aug.[r]-Sept.[p]	July-Aug.[r]	June-July	Sept. 1983[p]	Aug.[r] 1983	July 1983	June 1983	1983[p]	1982
	All manufacturing industries	181,000	178,302	175,455	178,489	+1.5	+1.6	-1.7	188,299	172,883	160,105	183,816	1,527,904	1,423,614
	Manufacturing industries with unfilled orders	93,694	91,844	91,188	93,500	+2.0	+0.7	-2.5	97,583	88,194	81,357	95,002	789,513	720,696
	Durable goods industries	90,934	89,978	88,234	90,905	+1.1	+2.0	-2.9	94,770	83,883	77,987	93,788	762,235	679,950
	With unfilled orders	74,543	72,481	72,541	74,770	+2.8	-0.1	-3.0	77,523	68,575	64,054	76,179	624,818	569,621
32	Stone, clay, and glass products	4,342	4,285	3,994	4,233	+1.3	+7.3	-5.6	4,678	4,459	3,990	4,561	36,875	32,847
33	Primary metals	10,979	11,006	10,407	10,113	-0.2	+5.8	+2.9	10,714	10,470	9,096	9,886	88,639	78,482
331	Blast furnaces, steel mills	4,844	4,727	4,342	3,925	+2.5	+8.9	+10.6	4,494	4,424	3,699	3,646	36,224	34,233
333-9	Nonferrous and other primary metals	4,897	5,240	4,983	5,109	-6.5	+5.2	-2.5	5,018	5,033	4,427	5,136	43,503	37,017
34	Fabricated metal products	10,722	10,341	9,885	10,133	+3.7	+4.6	-2.4	11,082	10,214	9,220	10,777	89,110	83,184
35	Machinery, except electrical	17,199	15,391	14,844	15,467	+11.7	+3.7	-4.0	17,324	13,940	13,269	16,648	130,442	123,428
351	Engines and turbines	880	937	1,026	767	-6.1	-8.7	+33.8	914	927	841	713	8,148	8,592
353	Construction, mining, and material handling equipment	2,678	2,356	2,543	2,543	+13.7	-7.4	0.0	2,696	2,212	2,475	2,635	20,549	22,352
354	Metalworking machinery	745	788	696	610	-5.5	+13.2	+14.1	740	763	626	681	5,782	5,432
356	General industrial machinery	1,317	1,228	1,202	1,079	+7.2	+2.2	+11.4	1,266	1,202	1,114	1,149	10,406	10,714
357	Office and computing machines	5,507	3,839	3,576	4,739	+43.4	+7.4	-24.5	5,501	3,049	3,013	5,258	34,147	26,697
36	Electrical machinery	14,357	13,987	14,713	13,432	+2.6	-4.9	+9.5	14,809	13,741	12,976	13,863	120,790	110,157
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,126	1,925	1,721	1,898	+10.4	+11.9	-9.3	2,124	1,871	1,507	1,974	16,173	15,811
363	Household appliances	1,300	1,350	1,287	1,210	-3.7	+4.9	+6.4	1,385	1,395	1,246	1,326	11,431	9,181
365	Radio and TV	632	654	974	682	-3.4	-32.9	+42.8	698	814	845	883	6,435	5,963
366	Communication equipment	4,372	3,937	4,447	4,616	+11.0	-11.5	-3.7	4,605	3,745	3,702	4,330	37,782	38,092
367	Electronic components	3,629	3,807	4,031	2,817	-4.7	-5.6	+43.1	3,531	3,655	3,705	3,065	29,788	23,600
37	Transportation equipment	19,391	21,660	20,495	23,442	-10.5	+5.7	-12.6	21,550	17,108	16,492	23,387	177,282	146,431
372,6	Aircraft, missiles, and parts	5,568	5,448	5,043	8,512	+2.2	+8.0	-40.8	6,564	3,978	4,072	7,950	54,215	48,052
3731,95	Shipbuilding and military tank vehicles	-7	306	1,680	1,180	- 102.3	-81.8	+42.4	572	298	1,095	543	7,076	7,750
38	Instruments and related products	4,357	4,120	4,487	4,340	+5.8	-8.2	+3.4	4,549	4,098	4,008	4,691	37,277	36,713
24,25, 39	All other durable goods	9,587	9,188	9,409	9,745	+4.3	-2.3	-3.4	10,064	9,853	8,936	9,975	81,820	68,708
	Nondurable goods industries	90,066	88,324	87,221	87,584	+2.0	+1.3	-0.4	93,529	89,000	82,118	90,028	765,669	743,664
	With unfilled orders	19,151	19,363	18,647	18,730	-1.1	+3.8	-0.4	20,060	19,619	17,303	18,823	164,695	151,075
	Market categories:													
	Home goods and apparel	12,591	12,592	12,516	12,144	0.0	+0.6	+3.1	13,802	13,778	11,706	12,462	108,293	98,463
	Consumer staples	32,835	32,448	31,639	32,670	+1.2	+2.6	-3.2	35,068	32,450	29,985	33,727	285,937	274,439
	Equipment and defense products, except automotive	27,096	24,251	24,998	27,995	+11.7	-3.0	-10.7	28,707	21,251	21,356	28,004	219,882	211,519
	Automotive equipment	15,035	17,179	15,001	15,010	-12.5	+14.5	-0.1	15,764	14,233	12,537	16,258	126,965	99,327
	Construction materials, supplies and intermediate products	13,941	13,569	13,029	13,616	+2.7	+4.1	-4.3	14,810	14,168	12,876	14,669	117,262	100,775
	Other materials, supplies, and intermediate products	79,502	78,263	78,272	77,054	+1.6	0.0	+1.6	80,148	77,003	71,645	78,696	669,565	639,091
	Supplementary series:[2]													
	Capital goods industries	30,024	27,573	28,481	32,228	+8.9	-3.2	-11.6	32,059	24,491	24,355	31,888	250,744	236,614
	Nondefense	25,205	23,028	21,580	24,289	+9.5	+6.7	-11.2	25,560	21,287	19,541	25,574	196,528	186,432
	Defense	4,819	4,545	6,901	7,939	+6.0	-34.1	-13.1	6,499	3,204	4,814	6,314	54,216	50,182
	Household durable goods industries	5,467	5,553	5,611	5,538	-1.5	-1.0	+1.3	5,912	5,971	5,065	5,688	48,569	43,560

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Sept. 1982
	All manufacturing industries..	322,776	320,664	318,348	315,488	+0.7	+0.7	+0.9	318,244	316,747	316,018	314,420	298,080
	Durable goods industries.....	311,753	310,024	307,963	305,374	+0.6	+0.7	+0.8	307,274	306,099	305,658	304,334	289,196
32	Stone, clay, and glass products...	2,037	2,034	1,990	1,982	+0.1	+2.2	+0.4	2,019	2,043	2,057	2,011	1,809
33	Primary metals.....	25,648	24,788	23,830	23,410	+3.5	+4.0	+1.8	24,471	24,149	23,260	23,068	20,652
331	Blast furnaces, steel mills.....	15,400	14,650	14,038	13,660	+5.1	+4.4	+2.8	14,553	14,181	13,617	13,442	12,079
333-9	Nonferrous and other primary metals.....	7,778	7,812	7,405	7,394	-0.4	+5.5	+0.1	7,513	7,663	7,294	7,357	6,339
34	Fabricated metal products.....	20,824	20,982	20,967	21,090	-0.8	+0.1	-0.6	20,804	21,018	21,193	21,190	24,078
35	Machinery, except electrical.....	56,633	55,168	54,888	55,455	+2.7	+0.5	-1.0	55,671	54,684	54,965	55,547	58,351
351	Engines and turbines.....	14,364	14,558	14,604	14,620	-1.3	-0.3	-0.1	14,244	14,441	14,430	14,480	16,189
353	Construction, mining, and material handling equipment....	5,653	5,565	5,445	5,485	+1.6	+2.2	-0.7	5,551	5,492	5,445	5,452	6,593
354	Metalworking machinery.....	2,344	2,354	2,277	2,226	-0.4	+3.4	+2.3	2,351	2,399	2,275	2,212	2,785
356	General industrial machinery....	4,328	4,262	4,397	4,456	+1.5	-3.1	-1.3	4,298	4,304	4,424	4,456	5,199
357	Office and computing machines...	19,909	18,424	18,418	18,854	+8.1	0.0	-2.3	19,372	18,258	18,897	19,306	17,674
36	Electrical machinery.....	66,824	66,192	65,076	63,317	+1.0	+1.7	+2.8	66,501	66,192	64,928	63,510	57,518
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,789	6,667	6,626	6,610	+1.8	+0.6	+0.2	6,757	6,719	6,661	6,640	6,777
363	Household appliances.....	471	479	439	441	-1.7	+9.1	-0.5	488	525	484	473	318
365	Radio and TV.....	527	621	642	480	-15.1	-3.3	+33.8	659	833	685	495	503
366	Communication equipment.....	41,147	41,021	40,818	40,428	+0.3	+0.5	+1.0	40,760	40,494	40,302	40,259	36,398
367	Electronic components.....	16,573	16,050	15,261	14,085	+3.3	+5.2	+8.3	16,491	16,227	15,490	14,367	12,260
37	Transportation equipment.....	126,705	128,020	128,279	127,593	-1.0	-0.2	+0.5	124,757	124,739	126,019	126,273	114,881
372,6	Aircraft, missiles, and parts...	97,044	97,203	97,612	98,181	-0.2	-0.4	-0.6	95,619	95,088	96,502	97,543	90,710
3731,95	Shipbuilding and military tank vehicles.....	22,712	23,589	24,046	23,177	-3.7	-1.9	+3.7	22,291	22,584	23,011	22,729	18,543
38	Instruments and related products..	7,808	7,728	7,722	7,573	+1.0	+0.1	+2.0	7,772	7,774	7,759	7,643	7,209
24,25, 39	All other durable goods.....	5,274	5,112	5,211	4,954	+3.2	-1.9	+5.2	5,279	5,500	5,477	5,092	4,440
	Nondurable goods industries.....	11,023	10,640	10,385	10,114	+3.6	+2.5	+2.7	10,970	10,648	10,360	10,086	8,884
	Market categories:												
	Home goods and apparel.....	4,184	4,272	4,199	4,051	-2.1	+1.7	+3.7	4,402	4,810	4,612	4,274	3,592
	Consumer staples.....	775	720	691	732	+7.6	+4.2	-5.6	829	731	694	677	803
	Equipment and defense products, except automotive.....	189,114	187,894	188,212	188,209	+0.6	-0.2	0.0	185,929	184,156	186,248	187,439	178,461
	Automotive equipment.....	6,452	6,765	6,166	5,800	-4.6	+9.7	+6.3	6,349	6,603	6,042	5,580	5,106
	Construction materials, supplies and intermediate products.....	12,620	12,685	12,523	12,691	-0.5	+1.3	-1.3	12,621	12,730	12,742	12,879	14,576
	Other materials, supplies, and intermediate products.....	109,631	108,328	106,557	104,005	+1.2	+1.7	+2.5	108,114	107,717	105,680	103,571	95,542
	Supplementary series:[2]												
	Capital goods industries.....	227,585	226,847	227,281	227,053	+0.3	-0.2	+0.1	224,370	222,851	224,791	225,912	213,894
	Nondefense.....	121,198	119,880	119,416	120,405	+1.1	+0.4	-0.8	120,081	119,442	119,411	120,141	126,010
	Defense.....	106,387	106,967	107,865	106,648	-0.5	-0.8	+1.1	104,289	103,409	105,380	105,771	87,884
	Household durable goods industries.....	3,702	3,809	3,726	3,575	-2.8	+2.2	+4.2	3,918	4,335	4,102	3,781	3,178

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Aug.–Sept.[p]	July–Aug.[r]	June–July	Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Sept. 1982
	All manufacturing industries..	260,944	259,834	258,176	257,390	+0.4	+0.6	+0.3	258,367	258,561	257,422	257,931	269,207
	Manufacturing industries with unfilled orders.....	177,999	176,848	175,846	176,144	+0.7	+0.6	-0.2	176,331	176,830	176,562	177,543	185,275
	Durable goods industries.....	171,276	170,576	169,693	169,840	+0.4	+0.5	-0.1	169,739	170,219	169,590	170,623	178,831
	With unfilled orders.....	156,869	155,914	155,127	155,658	+0.6	+0.5	-0.3	155,572	155,708	155,374	156,431	164,492
32	Stone, clay, and glass products...	5,723	5,714	5,725	5,694	+0.2	-0.2	+0.5	5,533	5,648	5,757	5,797	5,874
322	Glass containers.....	606	603	614	630	+0.5	-1.8	-2.5	596	612	630	638	644
33	Primary metals.....	19,906	20,010	20,105	20,302	-0.5	-0.5	-1.0	19,593	19,868	20,047	20,152	22,921
331	Blast furnaces, steel mills.....	9,483	9,560	9,771	9,808	-0.8	-2.2	-0.4	9,426	9,579	9,751	9,681	11,776
333-9	Nonferrous and other primary metals.....	9,217	9,251	9,172	9,323	-0.4	+0.9	-1.6	8,995	9,122	9,153	9,295	9,931
34	Fabricated metal products.....	17,607	17,783	17,603	17,418	-1.0	+1.0	+1.1	17,238	17,638	17,672	17,710	18,693
341	Metal cans, barrels, and drums..	1,779	2,069	2,105	1,954	-14.0	-1.7	+7.7	1,528	1,972	2,212	2,173	1,765
35	Machinery, except electrical.....	37,935	37,316	37,310	37,842	+1.7	0.0	-1.4	37,611	37,133	37,340	38,056	41,582
351	Engines and turbines.....	2,103	2,145	2,193	2,155	-2.0	-2.2	+1.8	2,065	2,108	2,146	2,155	2,464
352	Farm machinery and equipment....	2,077	1,951	1,902	1,953	+6.5	+2.6	-2.6	2,002	1,918	1,885	1,998	2,323
353	Construction, mining, and material handling equipment....	7,420	7,513	7,466	7,782	-1.2	+0.6	-4.1	7,272	7,438	7,489	7,852	9,657
354	Metalworking machinery.....	2,242	2,278	2,311	2,292	-1.6	-1.4	+0.8	2,219	2,282	2,323	2,301	2,509
356	General industrial machinery....	3,687	3,685	3,741	3,823	+0.1	-1.5	-2.1	3,654	3,659	3,749	3,857	4,011
357	Office and computing machines...	10,672	9,922	9,896	9,871	+7.6	+0.3	+0.3	10,725	10,011	9,995	9,881	9,747
36	Electrical machinery.....	27,259	27,098	26,791	26,711	+0.6	+1.1	+0.3	27,038	27,136	26,922	27,094	26,880
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,040	4,002	3,966	3,977	+0.9	+0.9	-0.3	4,013	3,990	3,975	4,015	4,266
363	Household appliances.....	1,831	1,804	1,794	1,925	+1.5	+0.6	-6.8	1,738	1,773	1,821	2,019	1,755
365	Radio and TV.....	1,019	1,007	944	981	+1.2	+6.7	-3.8	1,009	1,054	989	1,009	1,250
366	Communication equipment.....	10,855	10,761	10,677	10,449	+0.9	+0.8	+2.2	10,781	10,747	10,658	10,461	10,046
367	Electrooic components.....	5,482	5,546	5,438	5,381	-1.2	+2.0	+1.1	5,465	5,551	5,487	5,472	5,496
37	Transportation equipment.....	39,728	39,594	39,334	39,267	+0.3	+0.7	+0.2	39,696	39,712	38,971	38,943	39,371
371	Motor vehicles and parts.....	8,561	8,537	8,594	8,375	+0.3	-0.7	+2.6	8,712	8,633	8,081	8,092	8,461
372,6	Aircraft, missiles, and parts...	28,264	28,027	27,737	27,928	+0.8	+1.0	-0.7	28,106	28,107	27,964	27,928	27,793
373,95	Shipbuilding and military tank vehicles.....	1,443	1,552	1,582	1,573	-7.0	-1.9	+0.6	1,449	1,553	1,589	1,592	1,568
38	Instruments and related products..	8,963	8,982	8,873	8,840	-0.2	+1.2	+0.4	8,897	8,980	8,942	9,039	9,495
381-4	Scientific and engineering instruments.....	6,396	6,423	6,369	6,360	-0.4	+0.8	+0.1	6,345	6,397	6,407	6,488	6,571
386	Photographic goods.....	2,055	2,027	1,965	1,952	+1.4	+3.2	+0.7	2,043	2,057	1,995	2,014	2,340
394,25, 39	All other durable goods.....	14,155	14,079	13,952	13,766	+0.5	+0.9	+1.4	14,133	14,104	13,939	13,832	14,015
	Nondurable goods industries.....	89,668	89,258	88,483	87,550	+0.5	+0.9	+1.1	88,628	88,342	87,832	87,308	90,376
	With unfilled orders.....	21,130	20,934	20,719	20,486	+0.9	+1.0	+1.1	20,759	21,122	21,188	21,112	20,783
20	Food and kindred products.....	21,209	21,081	20,325	20,201	+0.6	+3.7	+0.6	21,223	20,490	19,437	19,136	21,148
201	Meat products.....	1,957	1,945	1,974	1,970	+0.6	-1.5	+0.2	1,889	1,854	1,909	1,966	1,966
208	Beverages.....	3,291	3,536	3,600	3,687	-6.9	-1.8	-2.4	3,239	3,345	3,445	3,609	3,477
207	Fats and oils.....	2,269	1,714	1,308	1,187	+32.4	+31.0	+10.2	1,733	1,363	1,133	1,099	970
203-6,9	All other foods.....	11,999	12,199	11,700	11,636	-1.6	+4.3	+0.6	12,671	12,199	11,162	10,705	13,062
21	Tobacco products.....	4,617	4,641	5,030	4,708	-0.5	-7.7	+6.8	4,539	4,316	4,477	4,416	4,417
22	Textile mill products.....	6,871	6,706	6,605	6,478	+2.5	+1.5	+2.0	6,645	6,631	6,600	6,561	6,111
26	Paper and allied products.....	8,510	8,391	8,334	8,326	+1.4	+0.7	+0.1	8,308	8,377	8,430	8,545	8,454
261-3,6	Pulp, paper etc.....	3,215	3,211	3,242	3,272	+0.1	-1.0	-0.9	3,159	3,220	3,238	3,315	3,332
265	Paperboard containers.....	2,203	2,198	2,167	2,152	+0.2	+1.4	+0.7	2,166	2,205	2,230	2,238	2,224
264	All other paper products.....	3,092	2,982	2,925	2,902	+3.7	+1.9	+0.8	2,983	2,952	2,962	2,992	2,898
28	Chemicals and allied products.....	19,643	19,803	19,509	19,253	-0.8	+1.5	+1.3	19,104	19,512	19,429	19,176	20,058
281,6	Industrial chemicals, except pigments.....	5,929	5,885	5,764	5,789	+0.7	+2.1	-0.4	5,751	5,821	5,805	5,794	6,482
283,4	Drugs, soaps, and toiletries....	6,361	6,290	6,228	6,150	+1.1	+1.0	+1.3	6,221	6,290	6,277	6,292	6,231
29	Petroleum and coal products.....	8,605	8,330	8,487	8,505	+3.3	-1.8	-0.2	8,760	8,484	8,595	8,493	9,501
30	Rubber and plastics products.....	5,669	5,700	5,722	5,734	-0.5	-0.4	-0.2	5,519	5,549	5,691	5,790	5,762
3,27, 31	All other nondurable goods.....	14,544	14,606	14,471	14,345	-0.4	+0.9	+0.9	14,530	14,983	15,173	15,191	14,925
	Market categories:												
	Home goods and apparel.....	20,475	20,334	20,229	20,226	+0.7	+0.5	0.0	20,236	20,588	20,797	21,149	20,694
	Consumer staples.....	32,837	33,284	33,237	32,812	-1.3	+0.1	+1.3	33,181	32,780	32,099	31,782	34,009
	Equipment and defense products, except automotive.....	73,969	73,223	72,899	73,193	+1.0	+0.4	-0.4	73,336	73,025	73,069	73,523	76,644
	Automotive equipment.....	10,629	10,664	10,635	10,426	-0.3	+0.3	+2.0	10,719	10,653	10,027	10,101	10,487
	Construction materials, supplies and intermediate products.....	19,378	19,208	19,018	18,777	+0.9	+1.0	+1.3	19,046	18,993	18,951	18,961	19,230
	Other materials, supplies, and intermediate products.....	103,656	103,121	102,158	101,956	+0.5	+0.9	+0.2	101,849	102,522	102,479	102,415	108,143
	Supplementary series:[2]												
	Capital goods industries.....	83,901	83,091	82,781	83,256	+1.0	+0.4	-0.6	83,324	83,017	83,067	83,650	86,521
	Nondefense.....	66,484	65,286	65,433	65,945	+1.8	-0.2	-0.8	66,045	65,148	65,464	66,088	71,595
	Defense.....	17,417	17,805	17,348	17,311	-2.2	+2.6	+0.2	17,279	17,869	17,603	17,562	14,926
	Household durable goods industries.....	9,915	9,806	9,774	9,862	+1.1	+0.3	-0.9	9,776	9,936	9,932	10,130	10,273

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Sept. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	87,282	86,663	85,168	85,322	+0.7	+1.8	-0.2	86,056	85,773	84,906	85,019	89,031
	Durable goods industries.....	51,074	50,849	50,137	50,333	+0.4	+1.4	-0.4	50,833	50,822	50,241	50,238	54,114
32	Stone, clay, and glass products...	1,933	1,948	1,901	1,911	-0.8	+2.5	-0.5	1,914	1,928	1,915	1,917	2,058
33	Primary metals.....	6,585	6,715	6,808	6,944	-1.9	-1.4	-2.0	6,579	6,671	6,747	6,816	8,402
34	Fabricated metal products.....	6,826	6,928	6,708	6,657	-1.5	+3.3	+0.8	6,778	6,891	6,781	6,676	7,099
35	Machinery, except electrical.....	10,771	10,511	10,597	10,769	+2.5	-0.8	-1.6	10,610	10,473	10,645	10,793	11,504
36	Electrical Machinery.....	7,421	7,362	7,161	7,283	+0.8	+2.8	-1.7	7,389	7,431	7,326	7,372	7,518
37	Transportation equipment.....	9,768	9,681	9,445	9,281	+0.9	+2.5	+1.8	9,699	9,686	9,291	9,271	9,251
38	Instruments and related products..	2,559	2,522	2,476	2,489	+1.5	+1.9	-0.5	2,549	2,509	2,486	2,521	2,999
24,25, 39	All other durable goods.....	5,211	5,182	5,041	4,999	+0.6	+2.8	+0.8	5,315	5,233	5,050	4,872	5,283
	Nondurable goods industries.....	36,208	35,814	35,031	34,989	+1.1	+2.2	+0.1	35,223	34,951	34,665	34,781	34,917
20	Food and kindred products.....	8,522	7,960	7,468	7,530	+7.1	+6.6	-0.8	7,948	7,489	7,236	7,269	7,027
21	Tobacco products.....	4,070	4,094	4,338	4,172	-0.6	-5.6	+4.0	3,938	3,822	3,895	3,926	3,895
22	Textile mill products.....	2,179	2,122	2,076	1,941	+2.7	+2.2	+7.0	2,041	2,062	2,085	2,002	1,814
26	Paper and allied products.....	4,226	4,194	4,082	4,157	+0.8	+2.7	-1.8	4,232	4,218	4,166	4,201	4,233
28	Chemicals and allied products.....	7,464	7,488	7,302	7,265	-0.3	+2.5	+0.5	7,354	7,411	7,335	7,225	7,819
29	Petroleum and coal products.....	2,168	2,265	2,288	2,477	-4.3	-1.0	-7.6	2,133	2,236	2,294	2,519	2,407
30	Rubber and plastics products.....	1,996	2,020	2,032	2,050	-1.2	-0.6	-0.9	1,981	1,977	2,065	2,077	1,959
23,27, 31	All other nondurable goods.....	5,583	5,671	5,445	5,397	-1.6	+4.2	+0.9	5,596	5,736	5,589	5,562	6,008
	WORK IN PROCESS												
	All manufacturing industries..	91,247	90,556	90,522	90,134	+0.8	0.0	+0.4	91,130	90,956	90,350	89,982	93,630
	Durable goods industries.....	76,824	76,116	76,081	75,928	+0.9	0.0	+0.2	76,653	76,455	75,909	75,830	78,567
32	Stone, clay, and glass products...	798	785	786	843	+1.7	-0.1	-6.8	768	771	783	874	898
33	Primary metals.....	7,406	7,293	7,350	7,202	+1.5	-0.8	+2.1	7,365	7,415	7,430	7,207	8,349
34	Fabricated metal products.....	6,283	6,175	6,098	6,058	+1.7	+1.3	+0.7	6,169	6,167	6,160	6,190	6,491
35	Machinery, except electrical.....	15,414	15,074	15,195	15,473	+2.3	-0.8	-1.8	15,368	15,065	15,021	15,336	17,022
36	Electrical Machinery.....	14,340	14,259	14,301	13,985	+0.6	-0.3	+2.3	14,279	14,308	14,288	14,087	13,426
37	Transportation equipment.....	25,215	25,227	25,070	25,117	0.0	+0.6	-0.2	25,338	25,366	24,915	24,813	25,086
38	Instruments and related products..	3,974	3,989	3,970	4,027	-0.4	+0.5	-1.4	3,944	4,008	3,993	4,083	4,028
24,25, 39	All other durable goods.....	3,394	3,314	3,311	3,223	+2.4	+0.1	+2.7	3,422	3,355	3,319	3,240	3,267
	Nondurable goods industries.....	14,423	14,440	14,441	14,206	-0.1	0.0	+1.7	14,477	14,501	14,441	14,152	15,063
20	Food and kindred products.....	1,694	1,815	1,735	1,710	-6.7	+4.6	+1.5	1,673	1,724	1,679	1,702	1,831
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,192	2,112	2,090	2,098	+3.8	+1.1	-0.4	2,175	2,112	2,070	2,060	2,008
26	Paper and allied products.....	1,053	1,050	1,092	1,038	+0.3	-3.8	+5.2	1,059	1,069	1,092	1,070	1,095
28	Chemicals and allied products.....	3,360	3,338	3,331	3,267	+0.7	+0.2	+2.0	3,334	3,324	3,319	3,262	3,396
29	Petroleum and coal products.....	1,730	1,777	1,747	1,820	-2.6	+1.7	-4.0	1,705	1,793	1,783	1,823	2,180
30	Rubber and plastics products.....	1,009	1,009	1,000	970	0.0	+0.9	+3.1	1,012	998	988	948	1,158
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,415	82,615	82,486	81,934	-0.2	+0.2	+0.7	81,181	81,832	82,166	82,930	86,546
	Durable goods industries.....	43,378	43,611	43,475	43,579	-0.5	+0.3	-0.2	42,253	42,942	43,440	44,555	46,150
32	Stone, clay, and glass products...	2,992	2,981	3,038	2,940	+0.4	-1.9	+3.3	2,851	2,949	3,059	3,006	2,918
33	Primary metals.....	5,915	6,002	5,947	6,156	-1.4	+0.9	-3.4	5,649	5,782	5,870	6,129	6,170
34	Fabricated metal products.....	4,498	4,680	4,797	4,703	-3.9	-2.4	+2.0	4,291	4,580	4,731	4,844	5,103
35	Machinery, except electrical.....	11,750	11,731	11,518	11,600	+0.2	+1.8	-0.7	11,633	11,595	11,674	11,927	13,056
36	Electrical Machinery.....	5,498	5,477	5,329	5,443	+0.4	+2.8	-2.1	5,370	5,397	5,308	5,635	5,936
37	Transportation equipment.....	4,745	4,686	4,819	4,869	+1.3	-2.8	-1.0	4,659	4,660	4,765	4,859	5,034
38	Instruments and related products..	2,430	2,471	2,427	2,324	-1.7	+1.8	+4.4	2,404	2,463	2,463	2,435	2,468
24,25, 39	All other durable goods.....	5,550	5,583	5,600	5,544	-0.6	-0.3	+1.0	5,396	5,516	5,570	5,720	5,465
	Nondurable goods industries.....	39,037	39,004	39,011	38,355	+0.1	0.0	+1.7	38,928	38,890	38,726	38,375	40,396
20	Food and kindred products.....	10,993	11,306	11,122	10,961	-2.8	+1.7	+1.5	11,602	11,277	10,522	10,165	12,290
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,500	2,472	2,439	2,439	+1.1	+1.4	0.0	2,429	2,457	2,445	2,499	2,289
26	Paper and allied products.....	3,231	3,147	3,160	3,131	+2.7	-0.4	+0.9	3,017	3,090	3,172	3,274	3,126
28	Chemicals and allied products.....	8,819	8,977	8,876	8,721	-1.8	+1.1	+1.8	8,416	8,777	8,775	8,689	8,843
29	Petroleum and coal products.....	4,707	4,288	4,452	4,208	+9.8	-3.7	+5.8	4,922	4,455	4,518	4,151	4,914
30	Rubber and plastics products.....	2,664	2,671	2,690	2,714	-0.3	-0.7	-0.9	2,526	2,574	2,638	2,765	2,645
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983	Sept. 1983[p]	Aug. 1983[r]	July 1983	June 1983
	All manufacturing industries	1.46	1.48	1.50	1.48	3.52	3.58	3.60	3.55
	Durable goods industries	1.92	1.94	1.98	1.96	4.28	4.40	4.40	4.33
32	Stone, clay, and glass products	1.32	1.35	1.44	1.37	0.52	0.53	0.56	0.53
33	Primary metals	1.97	1.99	2.01	2.08	2.53	2.47	2.39	2.40
34	Fabricated metal products	1.62	1.72	1.76	1.73	2.10	2.25	2.31	2.31
35	Machinery, except electrical	2.41	2.47	2.42	2.49	3.82	3.87	3.77	3.87
36	Electrical machinery	1.99	2.11	2.07	2.02	4.87	5.14	5.02	4.80
37	Transportation equipment	1.92	1.81	1.99	1.90	11.28	11.31	11.62	10.94
38	Instruments and related products	2.10	2.18	2.05	2.16	1.83	1.88	1.78	1.85
	Nondurable goods industries	1.00	1.01	1.02	1.00	0.59	0.56	0.57	0.55
20	Food and kindred products	0.85	0.87	0.85	0.83	(X)	(X)	(X)	(X)
21	Tobacco products	2.53	3.22	3.73	2.67	(X)	(X)	(X)	(X)
22	Textile mill products	1.50	1.47	1.48	1.47	1.39	1.38	1.36	1.31
26	Paper and allied products	1.15	1.15	1.17	1.17	0.47	0.45	0.46	0.44
28	Chemicals and allied products	1.17	1.22	1.23	1.19	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.51	0.50	0.50	0.52	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.27	1.32	1.29	1.31	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1982	All Septs. 1978-1982	Sept. 1982-Aug. 1983	Year ago Sept. 1982	All Septs. 1978-1982	Sept. 1982-Aug. 1983	Year ago Sept. 1982	All Septs. 1978-1982	Sept. 1982-Aug. 1983	Year ago Sept. 1982	All Septs. 1978-1982	Sept. 1982-Aug. 1983
	All manufacturing industries.	0.4	0.3	0.3	0.5	0.5	0.4	0.0	0.2	0.2	0.1	0.2	0.1
	Durable goods industries	0.5	0.2	0.4	0.5	0.5	0.7	0.0	0.2	0.2	0.0	0.5	0.1
32	Stone, clay, and glass products..	2.3	1.0	1.1	1.1	1.2	1.5	2.6	1.4	1.6	0.7	0.4	0.8
33	Primary metals	0.6	0.4	0.9	0.7	0.8	1.4	0.1	0.2	0.4	0.0	0.1	0.3
34	Fabricated metal products	0.6	0.5	1.1	1.7	1.5	2.0	0.9	0.4	0.5	0.2	0.2	0.3
35	Machinery, except electrical	0.7	1.2	0.9	0.8	2.4	1.9	0.0	0.3	0.4	0.2	0.3	0.2
36	Electrical machinery	0.3	0.3	0.7	0.5	0.8	1.5	0.1	0.2	0.2	0.1	0.1	0.2
37	Transportation equipment	0.8	0.5	1.0	2.5	2.3	1.4	0.2	0.3	0.2	0.1	0.2	0.2
38	Instruments and related products.	0.9	0.6	0.9	0.3	0.7	1.3	0.7	0.5	0.7	0.5	0.3	0.5
	Nondurable goods industries	0.5	0.5	0.4	0.3	0.6	0.4	0.3	0.7	0.5	0.4	0.4	0.3
20	Food and kindred products	0.7	0.9	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.9	0.9	0.7
21	Tobacco products	0.0	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
22	Textile mill products	2.2	1.0	1.4	0.6	1.8	1.3	1.7	1.3	1.0	0.4	0.7	0.6
26	Paper and allied products	2.5	1.8	1.1	3.3	4.2	1.8	1.6	2.2	1.8	0.5	0.8	0.5
28	Chemicals and allied products	0.3	1.0	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.3	0.4
29	Petroleum and coal products	0.4	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	1.8	0.8	0.9
30	Rubber and plastics products	3.7	1.2	1.4	(X)	(X)	(X)	(X)	(X)	(X)	2.8	1.2	1.1
	Capital Goods Industries:												
	Nondefense	0.8	0.6	1.0	2.6	1.4	1.9	3.4	0.9	0.5	0.1	0.3	0.1
	Defense	0.8	1.4	0.9	1.8	6.2	4.0	0.1	0.4	0.4	0.5	0.6	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U.S. DEPARTMENT OF COMME
COM-

Special Fourth C
Rate—B

C
3.158:
M3-1(83)-10

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

OCTOBER 1983

M3-1(83)-10
FOR WIRE TRANSMISSION 3:00 P.M. E.S.T. Friday, December 2, 1983

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in October increased $1.3 billion or 0.7 percent from September to $182.2 billion. An increase of 3.1 percent in new orders for durable goods was partially offset by a 1.7 percent decline in orders for nondurable goods. The value of manufacturers' shipments decreased $2.1 billion or 1.2 percent to $176.5 billion, with widespread declines in both the durable and nondurable goods sectors. The level of manufacturers' unfilled orders increased in October $5.7 billion or 1.8 percent to $328.7 billion, the largest one month increase since the end of the recession last November. The book value of manufacturers' inventories at the end of October increased slightly from September to $260.4 billion. September inventories were revised downward $0.9 billion to $260.0 billion.

NEW ORDERS. The increase in orders for manufactured durable goods in October of 3.1 percent was the largest since the 7.6 percent gain in June. While new orders showed an average increase of over 3.0 percent per month during the first half of 1983, there was little growth between June and September.

About three fourths of the October increase in new orders was caused by the aircraft and parts industry. Orders for that industry were estimated at $7.6 billion, up $2.1 billion or 37 percent from September. So far this year new orders for the aircraft and parts industry are running 16 percent ahead of the same time last year. The only other sizable increase in orders in October was in the electrical machinery category where orders increased $0.7 billion or 4.7 percent to $15.1 billion. The largest decline in new orders was in the steel industry which decreased $0.3 billion or 6.3 percent to $4.6 billion. New orders for nondurable goods declined 1.7 percent to $88.4 billion.

Within the capital goods industries new orders for nondefense capital goods rose $1.3 billion or 5.2 percent to $26.5 billion, with the largest increase coming in the aircraft and parts industry. Orders for defense capital goods were up $0.7 billion or 14.1 percent to $5.6 billion.

SHIPMENTS. Shipments of manufactured goods in October declined for the first time since the 0.8 percent decrease in July and for only the second time this year. Within the durable goods sector, which was down $1.1 billion or 1.2 percent, virtually all major industries except primary metals declined. Primary metals shipments increased $0.2 billion or 2.1 percent due to an increase in nonferrous metals shipments. Within the nondurable goods sector, which was down $1.0 billion or 1.1 percent, 5 of the 10 major industry categories declined. The largest decrease was in petroleum product shipments, down $0.8 billion or 4.8 percent to $16.1 billion. The largest increase in shipments was in the printing and publishing industry.

UNFILLED ORDERS. The large increase in the orders backlog of manufacturers of 1.8 percent reflected gains in virtually all major categories. The largest increases were in transportation equipment, up $2.2 billion or 1.7 percent, and electrical and nonelectrical machinery, up $1.5 billion and $1.7 billion respectively. For those few nondurable goods categories which carry backlog data, unfilled orders declined 2.0 percent.

INVENTORIES. The book value of manufacturers inventories at the end of October increased $0.4 billion or 0.1 percent from September. Inventories reached a post recession low of $257.3 billion in March. After advancing slightly to $260.0 billion in August there has been little change reported in the last 2 months. Materials and supplies inventories declined 0.7 percent in October to $86.6 billion after increasing 2.8 percent between March and September. Work in process inventories increased 0.9 percent in October to $91.6 billion, while finished goods inventories increased 0.1 percent to $82.2 billion.

SCHEDULED RELEASE DATES. The advance report on durable goods for November is scheduled for release on December 21, 1983, and the full report is scheduled for release on January 3, 1984.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, $1.50 per copy, $18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1983[p]	Sept.[r] 1983	Aug. 1983	July 1983	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1983[p]	Sept.[r] 1983	Aug. 1983	July 1983	1983[p]	1982
	All manufacturing industries	176,527	178,590	175,989	172,598	-1.2	+1.5	+2.0	183,020	186,460	172,163	158,500	1,692,076	1,606,423
	Manufacturing industries with unfilled orders	90,971	91,236	89,531	88,331	-0.3	+1.9	+1.4	94,461	95,727	87,475	79,752	865,110	824,876
	Durable goods industries	87,902	88,970	87,918	85,646	-1.2	+1.2	+2.7	92,527	93,354	83,450	76,658	838,008	778,283
	With unfilled orders	71,746	72,572	70,421	69,953	-1.1	+3.1	+0.7	74,446	76,099	68,143	62,725	682,503	655,445
32	Stone, clay, and glass products	4,154	4,325	4,241	3,987	-4.0	+2.0	+6.4	4,481	4,687	4,475	3,944	40,979	37,190
322	Glass containers	399	410	424	411	-2.7	-3.3	+3.2	403	424	443	406	4,157	4,084
33	Primary metals	10,304	10,091	10,048	9,988	+2.1	+0.4	+0.6	10,492	10,363	9,581	8,904	94,922	92,254
331	Blast furnaces, steel mills	4,059	4,075	4,115	3,964	-0.4	-1.0	+3.8	4,079	4,104	3,860	3,524	37,800	41,268
333-9	Nonferrous and other primary metals	5,099	4,908	4,833	4,973	+3.9	+1.6	-2.8	5,201	5,143	4,664	4,490	47,230	42,057
34	Fabricated metal products	10,738	10,802	10,328	10,008	-0.6	+4.6	+3.2	11,283	11,218	10,389	9,217	100,752	96,855
341	Metal cans, barrels, and drums	983	962	998	927	+2.2	-3.6	+7.7	943	1,091	1,163	1,003	9,689	9,904
35	Machinery, except electrical	15,560	15,642	15,111	15,410	-0.5	+3.5	-1.9	15,595	16,241	14,224	13,851	145,806	152,207
351	Engines and turbines	1,049	1,070	982	1,042	-2.0	+9.0	-5.8	1,020	1,106	917	890	9,979	11,050
352	Farm machinery and equipment	944	932	864	851	+1.3	+7.9	+1.5	1,023	948	780	719	9,170	10,161
353	Construction, mining, and material handling equipment	2,529	2,544	2,236	2,583	-0.6	+13.8	-13.4	2,514	2,590	2,165	2,482	23,098	29,726
354	Metalworking machinery	738	741	712	645	-0.4	+4.1	+10.4	764	773	640	563	6,576	8,286
356	General industrial machinery	1,193	1,250	1,364	1,261	-4.6	-8.4	+8.2	1,260	1,272	1,322	1,146	12,060	13,100
357	Office and computing machines	3,986	4,065	3,833	4,012	-1.9	+6.1	-4.5	3,870	4,435	3,688	3,422	36,837	32,042
36	Electrical machinery	13,548	13,711	12,870	12,954	-1.2	+6.5	-0.6	14,145	14,486	12,481	11,553	128,027	117,633
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,835	1,997	1,883	1,704	-8.1	+6.1	+10.5	1,840	2,078	1,815	1,484	18,010	18,446
363	Household appliances	1,249	1,299	1,309	1,289	-3.8	-0.8	+1.6	1,319	1,411	1,354	1,235	12,557	10,211
365	Radio and TV	722	721	675	812	+0.1	+6.8	-16.9	845	865	666	654	7,019	6,568
366	Communication equipment	4,274	4,196	3,734	4,058	+1.9	+12.4	-8.0	4,298	4,289	3,555	3,658	39,777	36,608
367	Electronic components	3,090	3,147	3,018	2,855	-1.8	+4.3	+5.7	3,223	3,311	2,919	2,581	28,981	26,241
37	Transportation equipment	19,833	20,705	21,917	19,810	-4.2	-5.5	+10.6	21,835	21,537	18,389	16,744	196,207	164,227
371	Motor vehicles and parts	12,936	13,450	14,672	12,710	-3.8	-8.3	+15.4	14,956	14,011	11,693	10,211	123,728	95,861
372,6	Aircraft, missiles, and parts	5,406	5,693	5,857	5,612	-5.0	-2.8	+4.4	5,364	6,002	5,391	5,113	57,277	52,104
3731,95	Shipbuilding and military tank vehicles	859	890	762	811	-3.5	+16.8	-6.0	863	888	726	813	8,416	9,878
38	Instruments and related products	4,303	4,290	4,116	4,338	+0.3	+4.2	-5.1	4,444	4,566	4,082	3,892	40,937	40,760
381-4	Scientific and engineering instruments	2,525	2,515	2,443	2,571	+0.4	+2.9	-5.0	2,558	2,656	2,377	2,265	24,027	23,400
386	Photographic goods	1,587	1,584	1,469	1,540	+0.2	+7.8	-4.6	1,673	1,693	1,492	1,424	14,876	15,434
24,25, 39	All other durable goods	9,462	9,404	9,287	9,151	+0.6	+1.3	+1.5	10,252	10,256	9,829	8,553	90,378	77,157
	Nondurable goods industries	88,625	89,620	88,071	86,952	-1.1	+1.8	+1.3	90,493	93,106	88,713	81,842	854,068	828,140
	With unfilled orders	19,225	18,664	19,110	18,378	+3.0	-2.3	+4.0	20,015	19,628	19,332	17,027	182,607	169,431
20	Food and kindred products	24,170	24,698	24,131	23,964	-2.1	+2.3	+0.7	25,002	26,148	24,244	22,498	239,065	231,116
201	Meat products	5,309	5,430	5,498	5,529	-2.2	-1.2	-0.6	5,633	5,636	5,657	5,292	55,385	55,088
208	Beverages	3,375	3,597	3,706	3,679	-6.2	-2.9	+0.7	3,557	3,625	3,932	3,856	35,849	34,102
207	Fats and oils	1,590	1,520	1,420	1,334	+4.6	+7.0	+6.4	1,594	1,552	1,389	1,241	13,659	12,885
203-6,9	All other foods	10,734	10,866	10,297	10,241	-1.2	+5.5	+0.5	11,088	11,974	10,050	8,909	102,373	97,356
21	Tobacco products	1,540	1,825	1,441	1,347	-15.6	+26.6	+7.0	1,597	1,817	1,505	1,374	14,422	12,000
22	Textile mill products	4,595	4,524	4,560	4,476	+1.6	-0.8	+1.9	4,785	4,830	4,651	3,775	43,227	39,549
26	Paper and allied products	7,401	7,324	7,307	7,124	+1.1	+0.2	+2.6	7,505	7,519	7,487	6,676	71,032	66,597
261-3,6	Pulp, paper etc.	3,118	3,169	3,086	3,051	-1.6	+2.7	+1.1	3,133	3,180	3,103	2,848	30,053	28,281
265	Paperboard containers	1,643	1,605	1,606	1,607	+2.4	-0.1	-0.1	1,730	1,669	1,640	1,496	15,838	15,508
264	All other paper products	2,640	2,550	2,615	2,466	+3.5	-2.5	+6.0	2,642	2,670	2,744	2,332	25,141	22,808
28	Chemicals and allied products	17,227	16,968	16,196	15,825	+1.5	+4.8	+2.3	16,375	17,244	15,591	14,330	157,142	145,800
281,6	Industrial chemicals, except pigments	5,375	5,503	5,143	5,151	-2.3	+7.0	-0.2	5,080	5,464	4,927	4,718	49,213	47,123
283,4	Drugs, soaps, and toiletries	4,167	3,941	4,188	3,883	+5.7	-5.9	+7.9	4,246	4,627	4,079	3,530	41,004	40,633
29	Petroleum and coal products	16,066	16,877	16,669	16,920	-4.8	+1.2	-1.5	16,029	16,900	16,723	16,610	158,545	173,258
30	Rubber and plastics products	4,388	4,497	4,321	4,429	-2.4	+4.1	-2.4	4,664	4,655	4,438	4,118	43,185	42,798
23,27, 31	All other nondurable goods	13,238	12,907	13,446	12,867	+2.6	-4.0	+4.5	14,536	13,993	14,074	12,461	127,450	117,022
	Market categories:													
	Home goods and apparel	12,390	12,506	12,520	12,369	-0.9	-0.1	+1.2	13,893	14,013	13,581	11,369	120,591	110,813
	Consumer staples	32,393	32,796	32,419	31,680	-1.2	+1.2	+2.3	33,553	34,996	32,412	29,968	319,452	305,818
	Equipment and defense products, except automotive	25,076	25,754	24,569	24,993	-2.6	+4.8	-1.7	25,217	26,813	23,348	22,545	242,092	242,050
	Automotive equipment	14,797	15,365	16,579	14,635	-3.7	-7.3	+13.3	16,999	16,034	13,673	12,074	142,982	111,713
	Construction materials, supplies and intermediate products	13,684	13,927	13,407	13,198	-1.7	+3.9	+1.6	14,545	14,833	14,181	13,014	131,550	114,824
	Other materials, supplies, and intermediate products	78,187	78,242	76,495	75,723	-0.1	+2.3	+1.0	78,813	79,771	74,968	69,530	735,409	721,205
	Supplementary series:[2]													
	Capital goods industries	28,618	29,132	28,007	28,253	-1.8	+4.0	-0.9	28,789	30,388	26,437	25,471	274,729	273,193
	Nondefense	23,015	23,704	22,565	22,570	-2.9	+5.0	0.0	23,179	24,734	21,261	20,266	221,722	227,170
	Defense	5,603	5,428	5,442	5,683	+3.2	-0.3	-4.2	5,610	5,654	5,176	5,205	53,007	46,023
	Household durable goods industries	5,554	5,607	5,470	5,461	-0.9	+2.5	+0.2	6,136	6,361	5,738	4,745	53,414	48,916

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1983[p]	Sept.[r] 1983	Aug. 1983	July 1983	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1983[p]	Sept.[r] 1983	Aug. 1983	July 1983	1983[p]	1982
	All manufacturing industries	182,214	180,961	178,302	175,455	+0.7	+1.5	+1.6	190,148	188,190	172,883	160,105	1,717,943	1,582,668
	Manufacturing industries with unfilled orders	96,658	93,607	91,844	91,188	+3.3	+1.9	+0.7	101,589	97,457	88,194	81,357	890,976	801,121
	Durable goods industries	93,804	90,996	89,978	88,234	+3.1	+1.1	+2.0	99,865	94,806	83,883	77,987	862,136	755,509
	With unfilled orders	77,648	74,598	72,481	72,541	+4.1	+2.9	-0.1	81,784	77,551	68,575	64,054	706,630	632,671
32	Stone, clay, and glass products	4,197	4,320	4,285	3,994	-2.8	+0.8	+7.3	4,476	4,656	4,459	3,990	41,329	36,673
33	Primary metals	10,890	11,014	11,006	10,407	-1.1	+0.1	+5.8	11,147	10,743	10,470	9,096	99,815	85,841
331	Blast furnaces, steel mills	4,631	4,944	4,727	4,342	-6.3	+4.6	+8.9	4,749	4,588	4,424	3,699	41,067	37,164
333-9	Nonferrous and other primary metals	5,073	4,857	5,240	4,983	+4.4	-7.3	+5.2	5,121	4,977	5,033	4,427	48,583	40,729
34	Fabricated metal products	10,493	10,654	10,341	9,885	-1.5	+3.0	+4.6	10,883	11,009	10,214	9,220	99,920	91,813
35	Machinery, except electrical	17,252	17,233	15,391	14,844	+0.1	+12.0	+3.7	17,325	17,351	13,940	13,269	147,794	137,065
351	Engines and turbines	1,452	864	937	1,026	+68.1	-7.8	-8.7	1,783	897	927	841	9,914	9,966
353	Construction, mining, and material handling equipment	2,553	2,615	2,356	2,543	-2.4	+11.0	-7.4	2,544	2,632	2,212	2,475	23,029	24,512
354	Metalworking machinery	798	734	788	696	+8.7	-6.9	+13.2	833	728	763	626	6,603	5,998
356	General industrial machinery	1,543	1,334	1,228	1,202	+15.7	+8.6	+2.2	1,603	1,283	1,202	1,114	12,026	11,843
357	Office and computing machines	4,534	5,532	3,839	3,576	-18.0	+44.1	+7.4	4,056	5,531	3,049	3,013	38,233	29,744
36	Electrical machinery	15,058	14,382	13,987	14,713	+4.7	+2.8	-4.9	15,441	14,836	13,741	12,976	136,258	122,476
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,835	2,120	1,925	1,721	-13.4	+10.1	+11.9	1,823	2,118	1,871	1,507	17,990	17,453
363	Household appliances	1,265	1,298	1,350	1,287	-2.5	-3.9	+4.9	1,270	1,381	1,395	1,246	12,697	10,208
365	Radio and TV	503	632	654	974	-20.4	-3.4	-32.9	494	698	814	845	6,929	6,475
366	Communication equipment	4,568	4,373	3,937	4,447	+4.5	+11.1	-11.5	4,821	4,605	3,745	3,702	42,603	42,472
367	Electronic components	4,452	3,637	3,807	4,031	+22.4	-4.5	-5.6	4,381	3,542	3,655	3,705	34,180	26,350
37	Transportation equipment	21,996	19,514	21,660	20,495	+12.7	-9.9	+5.7	25,960	21,669	17,108	16,492	203,361	164,125
372,6	Aircraft, missiles, and parts	7,628	5,551	5,448	5,043	+37.4	+1.9	+8.0	9,327	6,544	3,978	4,072	63,522	54,945
3731,95	Shipbuilding and military tank vehicles	302	-5	306	1,680	(n)	-101.6	-81.8	428	575	298	1,095	7,507	8,524
38	Instruments and related products	4,205	4,374	4,120	4,487	-3.9	+6.2	-8.2	4,315	4,567	4,098	4,008	41,610	40,734
24,25, 39	All other durable goods	9,713	9,505	9,188	9,409	+2.2	+3.5	-2.3	10,318	9,975	9,853	8,936	92,049	76,782
	Nondurable goods industries	88,410	89,965	88,324	87,221	-1.7	+1.9	+1.3	90,283	93,384	89,000	82,118	855,807	827,159
	With unfilled orders	19,010	19,009	19,363	18,647	0.0	-1.8	+3.8	19,805	19,906	19,619	17,303	184,346	168,450
	Market categories:													
	Home goods and apparel	12,247	12,387	12,592	12,516	-1.1	-1.6	+0.6	13,402	13,573	13,778	11,706	121,466	110,313
	Consumer staples	32,375	32,815	32,448	31,639	-1.3	+1.1	+2.6	33,498	35,055	32,450	29,985	319,422	305,851
	Equipment and defense products, except automotive	28,101	27,341	24,251	24,998	+2.8	+12.7	-3.0	29,881	28,939	21,251	21,356	249,995	236,059
	Automotive equipment	15,312	15,178	17,179	15,001	+0.9	-11.6	+14.5	17,612	15,904	14,233	12,537	144,717	110,444
	Construction materials, supplies and intermediate products	13,718	13,764	13,569	13,029	-0.3	+1.4	+4.1	14,420	14,627	14,168	12,876	131,499	112,255
	Other materials, supplies, and intermediate products	80,461	79,476	78,263	78,272	+1.2	+1.5	0.0	81,335	80,092	77,003	71,645	750,844	707,746
	Supplementary series:[2]													
	Capital goods industries	32,169	30,159	27,573	28,481	+6.7	+9.4	-3.2	34,518	32,181	24,491	24,355	285,384	264,517
	Nondefense	26,526	25,213	23,028	21,580	+5.2	+9.5	+6.7	27,112	25,553	21,287	19,541	223,633	207,328
	Defense	5,643	4,946	4,545	6,901	+14.1	+8.8	-34.1	7,406	6,628	3,204	4,814	61,751	57,189
	Household durable goods industries	5,434	5,452	5,553	5,611	-0.3	-1.8	-1.0	5,666	5,896	5,971	5,065	54,219	48,574

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Oct. 1982
	All manufacturing industries..	328,711	323,032	320,664	318,348	+1.8	+0.7	+0.7	325,610	318,473	316,747	316,018	297,647
	Durable goods industries.....	317,945	312,048	310,024	307,963	+1.9	+0.7	+0.7	314,891	307,547	306,099	305,658	288,861
32	Stone, clay, and glass products...	2,071	2,029	2,034	1,990	+2.1	-0.2	+2.2	2,006	2,011	2,043	2,057	1,732
33	Primary metals.....	26,295	25,710	24,788	23,830	+2.3	+3.7	+4.0	25,185	24,530	24,149	23,260	20,032
331	Blast furnaces, steel mills.....	16,091	15,519	14,650	14,038	+3.7	+5.9	+4.4	15,335	14,666	14,181	13,617	11,880
333-9	Nonferrous and other primary metals.....	7,734	7,761	7,812	7,405	-0.3	-0.7	+5.5	7,417	7,497	7,663	7,294	5,986
34	Fabricated metal products.....	20,589	20,834	20,982	20,967	-1.2	-0.7	+0.1	20,410	20,810	21,018	21,193	23,383
35	Machinery, except electrical.....	58,450	56,759	55,168	54,888	+3.0	+2.9	+0.5	57,524	55,794	54,684	54,965	58,086
351	Engines and turbines.....	14,756	14,353	14,558	14,604	+2.8	-1.4	-0.3	14,995	14,232	14,441	14,430	16,666
353	Construction, mining, and material handling equipment....	5,661	5,636	5,565	5,445	+0.4	+1.3	+2.2	5,564	5,534	5,492	5,445	6,205
354	Metalworking machinery.....	2,407	2,347	2,354	2,277	+2.6	-0.3	+3.4	2,424	2,354	2,399	2,275	2,670
356	General industrial machinery....	4,695	4,345	4,262	4,397	+8.1	+1.9	-3.1	4,658	4,315	4,304	4,424	5,047
357	Office and computing machines...	20,439	19,892	18,424	18,418	+2.7	+8.0	0.0	19,540	19,354	18,258	18,897	17,598
36	Electrical machinery.....	68,373	66,863	66,192	65,076	+2.3	+1.0	+1.7	67,837	66,538	66,192	64,928	57,929
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,790	6,791	6,667	6,626	0.0	+1.9	+0.6	6,742	6,758	6,719	6,661	6,739
363	Household appliances.....	494	478	479	439	+3.3	-0.2	+9.1	446	495	525	484	270
365	Radio and TV.....	313	532	621	642	-41.2	-14.3	-3.3	314	665	833	685	341
366	Communication equipment.....	41,492	41,197	41,021	40,818	+0.7	+0.4	+0.5	41,333	40,809	40,494	40,302	36,934
367	Electronic components.....	17,902	16,540	16,050	15,261	+8.2	+3.1	+5.2	17,616	16,457	16,227	15,490	12,425
37	Transportation equipment.....	128,989	126,827	128,020	128,279	+1.7	-0.9	-0.2	128,999	124,873	124,739	126,019	116,182
372,6	Aircraft, missiles, and parts...	99,281	97,060	97,203	97,612	+2.3	-0.1	-0.4	99,594	95,631	95,088	96,502	92,085
3731,95	Shipbuilding and military tank vehicles.....	22,136	22,692	23,589	24,046	-2.5	-3.8	-1.9	21,837	22,271	22,584	23,011	18,409
38	Instruments and related products..	7,712	7,812	7,728	7,722	-1.3	+1.1	+0.1	7,646	7,774	7,774	7,759	7,145
24,25, 39	All other durable goods.....	5,466	5,214	5,112	5,211	+4.8	+2.0	-1.9	5,284	5,217	5,500	5,477	4,142
	Nondurable goods industries.....	10,766	10,984	10,640	10,385	-2.0	+3.2	+2.5	10,719	10,926	10,648	10,360	8,786
	Market categories:												
	Home goods and apparel.....	4,010	4,153	4,272	4,199	-3.4	-2.8	+1.7	3,878	4,368	4,810	4,612	3,198
	Consumer staples.....	720	739	720	691	-2.6	+2.6	+4.2	735	790	731	694	791
	Equipment and defense products, except automotive.....	192,503	189,477	187,894	188,212	+1.6	+0.8	-0.2	190,948	186,279	184,156	186,248	179,474
	Automotive equipment.....	7,093	6,578	6,765	6,166	+7.8	-2.8	+9.7	7,086	6,473	6,603	6,042	5,195
	Construction materials, supplies and intermediate products.....	12,555	12,523	12,685	12,523	+0.3	-1.3	+1.3	12,398	12,524	12,730	12,742	14,156
	Other materials, supplies, and intermediate products.....	111,830	109,562	108,328	106,557	+2.1	+1.1	+1.7	110,565	108,039	107,717	105,680	94,833
	Supplementary series:[2]												
	Capital goods industries.....	231,421	227,872	226,847	227,281	+1.6	+0.5	-0.2	230,376	224,643	222,851	224,791	215,444
	Nondefense.....	124,895	121,388	119,880	119,416	+2.9	+1.3	+0.4	124,194	120,260	119,442	119,411	125,576
	Defense.....	106,526	106,484	106,967	107,865	0.0	-0.5	-0.8	106,182	104,383	103,409	105,380	89,868
	Household durable goods industries.....	3,536	3,655	3,809	3,726	-3.3	-4.0	+2.2	3,399	3,869	4,335	4,102	2,844

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Oct. 1982
	All manufacturing industries..	260,404	260,021	259,834	258,176	+0.1	+0.1	+0.6	258,609	257,443	258,561	257,422	268,917
	Manufacturing industries with unfilled orders.....	177,708	177,162	176,848	175,846	+0.3	+0.2	+0.6	175,851	175,489	176,830	176,562	184,506
	Durable goods industries.....	170,694	170,385	170,576	169,693	+0.2	-0.1	+0.5	169,146	168,843	170,219	169,590	177,979
	With unfilled orders.....	156,260	156,011	155,914	155,127	+0.2	+0.1	+0.5	154,998	154,709	155,708	155,374	163,889
32	Stone, clay, and glass products...	5,734	5,697	5,714	5,725	+0.6	-0.3	-0.2	5,494	5,508	5,648	5,757	5,813
322	Glass containers.....	617	606	603	614	+1.8	+0.5	-1.8	613	597	612	630	648
33	Primary metals.....	19,957	19,913	20,010	20,105	+0.2	-0.5	-0.5	19,696	19,600	19,868	20,047	22,674
331	Blast furnaces, steel mills.....	9,494	9,468	9,560	9,771	+0.3	-1.0	-2.2	9,447	9,411	9,579	9,751	11,606
333-9	Nonferrous and other primary metals.....	9,254	9,233	9,251	9,172	+0.2	-0.2	+0.9	9,069	9,011	9,122	9,153	9,867
34	Fabricated metal products.....	17,337	17,566	17,783	17,603	-1.3	-1.2	+1.0	16,987	17,194	17,638	17,672	18,291
341	Metal cans, barrels, and drums..	1,737	1,797	2,069	2,105	-3.3	-13.1	-1.7	1,501	1,543	1,972	2,212	1,634
35	Machinery, except electrical.....	36,828	37,078	37,316	37,310	-0.7	-0.6	0.0	36,519	36,750	37,133	37,340	41,546
351	Engines and turbines.....	2,109	2,103	2,145	2,193	+0.3	-2.0	-2.2	2,100	2,065	2,108	2,146	2,470
352	Farm machinery and equipment....	1,994	2,051	1,951	1,902	-2.8	+5.1	+2.6	1,868	1,977	1,918	1,885	2,295
353	Construction, mining, and material handling equipment....	7,236	7,427	7,513	7,466	-2.6	-1.1	+0.6	7,106	7,278	7,438	7,489	9,614
354	Metalworking machinery.....	2,240	2,263	2,278	2,311	-1.0	-0.7	-1.4	2,245	2,240	2,282	2,323	2,517
356	General industrial machinery....	3,686	3,682	3,685	3,741	+0.1	-0.1	-1.5	3,634	3,649	3,659	3,749	3,992
357	Office and computing machines...	9,747	9,800	9,922	9,896	-0.5	-1.2	+0.3	9,815	9,849	10,011	9,995	9,823
36	Electrical machinery.....	27,487	27,211	27,098	26,791	+1.0	+0.4	+1.1	27,276	26,991	27,136	26,922	26,805
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,090	4,040	4,002	3,966	+1.2	+0.9	+0.9	4,099	4,013	3,990	3,975	4,267
363	Household appliances.....	1,929	1,807	1,804	1,794	+6.8	+0.2	+0.6	1,840	1,715	1,773	1,821	1,749
365	Radio and TV.....	1,008	1,032	1,007	944	-2.3	+2.5	+6.7	991	1,022	1,054	989	1,188
366	Communication equipment.....	10,920	10,856	10,761	10,677	+0.6	+0.9	+0.8	10,891	10,782	10,747	10,658	10,031
367	Electronic components.....	5,461	5,467	5,546	5,438	-0.1	-1.4	+2.0	5,450	5,450	5,551	5,487	5,539
37	Transportation equipment.....	40,034	39,805	39,594	39,334	+0.6	+0.5	+0.7	40,190	39,772	39,712	38,971	39,795
371	Motor vehicles and parts.....	8,733	8,602	8,537	8,594	+1.5	+0.8	-0.7	8,942	8,754	8,633	8,081	8,389
372,6	Aircraft, missiles, and parts...	28,407	28,272	28,027	27,737	+0.5	+0.9	+1.0	28,347	28,113	28,107	27,964	28,332
3731,95	Shipbuilding and military tank vehicles.....	1,424	1,478	1,552	1,582	-3.7	-4.8	-1.9	1,449	1,483	1,553	1,589	1,546
38	Instruments and related products..	8,973	8,961	8,982	8,873	+0.1	-0.2	+1.2	8,823	8,895	8,980	8,942	9,387
381-4	Scientific and engineering instruments.....	6,366	6,402	6,423	6,369	-0.6	-0.3	+0.8	6,277	6,351	6,397	6,407	6,548
386	Photographic goods.....	2,096	2,045	2,027	1,965	+2.5	+0.9	+3.2	2,050	2,033	2,057	1,995	2,276
24,25, 39	All other durable goods.....	14,344	14,154	14,079	13,952	+1.3	+0.5	+0.9	14,161	14,133	14,104	13,939	13,668
	Nondurable goods industries.....	89,710	89,636	89,258	88,483	+0.1	+0.4	+0.9	89,463	88,600	88,342	87,832	90,938
	With unfilled orders.....	21,448	21,151	20,934	20,719	+1.4	+1.0	+1.0	20,853	20,780	21,122	21,188	20,617
20	Food and kindred products.....	20,637	21,119	21,081	20,325	-2.3	+0.2	+3.7	21,829	21,139	20,490	19,437	22,054
201	Meat products.....	1,927	1,920	1,945	1,974	+0.4	-1.3	-1.5	1,954	1,853	1,854	1,909	2,069
208	Beverages.....	3,220	3,300	3,536	3,600	-2.4	-6.7	-1.8	3,256	3,247	3,345	3,445	3,534
207	Fats and oils.....	1,979	2,245	1,714	1,308	-11.8	+31.0	+31.0	2,035	1,715	1,363	1,133	1,206
203-6,9	All other foods.....	11,768	11,993	12,199	11,700	-1.9	-1.7	+4.3	12,839	12,665	12,199	11,162	13,573
21	Tobacco products.....	4,512	4,608	4,641	5,030	-2.1	-0.7	-7.7	4,588	4,530	4,316	4,477	4,444
22	Textile mill products.....	6,905	6,869	6,706	6,605	+0.5	+2.4	+1.5	6,601	6,643	6,631	6,600	5,987
26	Paper and allied products.....	8,662	8,490	8,391	8,334	+2.0	+1.2	+0.7	8,474	8,287	8,377	8,430	8,507
261-3,6	Pulp, paper etc.....	3,281	3,217	3,211	3,242	+2.0	+0.2	-1.0	3,247	3,160	3,220	3,238	3,363
265	Paperboard containers.....	2,247	2,201	2,198	2,167	+2.1	+0.1	+1.4	2,177	2,163	2,205	2,230	2,228
264	All other paper products.....	3,134	3,072	2,982	2,925	+2.0	+3.0	+1.9	3,050	2,964	2,952	2,962	2,916
28	Chemicals and allied products.....	19,721	19,615	19,803	19,509	+0.5	-0.9	+1.5	19,264	19,075	19,512	19,429	20,170
281,6	Industrial chemicals, except pigments.....	5,928	5,924	5,885	5,764	+0.1	+0.7	+2.1	5,780	5,746	5,821	5,805	6,438
283,4	Drugs, soaps, and toiletries....	6,324	6,331	6,290	6,228	-0.1	+0.7	+1.0	6,235	6,192	6,290	6,277	6,310
29	Petroleum and coal products.....	8,676	8,623	8,330	8,487	+0.6	+3.5	-1.8	8,738	8,778	8,484	8,595	9,439
30	Rubber and plastics products.....	5,697	5,670	5,700	5,722	+0.5	-0.5	-0.4	5,537	5,520	5,549	5,691	5,812
23,27, 31	All other nondurable goods.....	14,900	14,642	14,606	14,471	+1.8	+0.2	+0.9	14,432	14,628	14,983	15,173	14,525
	Market categories:												
	Home goods and apparel.....	20,971	20,544	20,334	20,229	+2.1	+1.0	+0.5	20,240	20,306	20,588	20,797	20,062
	Consumer staples.....	32,410	32,750	33,284	33,237	-1.0	-1.6	+0.1	33,490	33,095	32,780	32,099	34,723
	Equipment and defense products, except automotive.....	73,246	73,138	73,223	72,899	+0.1	-0.1	+0.4	72,742	72,499	73,025	73,069	76,905
	Automotive equipment.....	10,742	10,641	10,664	10,635	+0.9	-0.2	+0.3	10,884	10,731	10,653	10,027	10,463
	Construction materials, supplies and intermediate products.....	19,191	19,318	19,208	19,018	-0.7	+0.6	+1.0	18,787	18,985	18,993	18,951	18,980
	Other materials, supplies, and intermediate products.....	103,844	103,630	103,121	102,158	+0.2	+0.5	+0.9	102,466	101,827	102,522	102,479	107,784
	Supplementary series:[2]												
	Capital goods industries.....	83,169	83,091	83,091	82,781	+0.1	0.0	+0.4	82,796	82,507	83,017	83,067	86,911
	Nondefense.....	65,863	65,643	65,286	65,433	+0.3	+0.5	-0.2	65,681	65,198	65,148	65,464	71,740
	Defense.....	17,306	17,448	17,805	17,348	-0.8	-2.0	+2.6	17,115	17,309	17,869	17,603	15,171
	Household durable goods industries.....	10,091	9,907	9,806	9,774	+1.9	+1.0	+0.3	9,824	9,770	9,936	9,932	9,992

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Oct. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,598	87,182	86,663	85,168	-0.7	+0.6	+1.8	86,095	85,959	85,773	84,906	88,967
	Durable goods industries.....	50,682	51,006	50,849	50,137	-0.6	+0.3	+1.4	50,613	50,762	50,822	50,241	53,904
32	Stone, clay, and glass products...	1,918	1,924	1,948	1,901	-0.3	-1.2	+2.5	1,892	1,905	1,928	1,915	2,052
33	Primary metals.....	6,585	6,570	6,715	6,808	+0.2	-2.2	-1.4	6,619	6,565	6,671	6,747	8,239
34	Fabricated metal products.....	6,771	6,866	6,928	6,708	-1.4	-0.9	+3.3	6,668	6,815	6,891	6,781	7,011
35	Machinery, except electrical.....	10,104	10,568	10,511	10,597	-4.4	+0.5	-0.8	10,150	10,406	10,473	10,645	11,718
36	Electrical Machinery.....	7,561	7,490	7,362	7,161	+0.9	+1.7	+2.8	7,466	7,458	7,431	7,326	7,496
37	Transportation equipment.....	9,831	9,791	9,681	9,445	+0.4	+1.1	+2.5	9,817	9,721	9,686	9,291	9,179
38	Instruments and related products..	2,595	2,572	2,522	2,476	+0.9	+2.0	+1.9	2,559	2,563	2,509	2,486	2,907
24,25, 39	All other durable goods.....	5,317	5,225	5,182	5,041	+1.8	+0.8	+2.8	5,442	5,329	5,233	5,050	5,302
	Nondurable goods industries.....	35,916	36,176	35,814	35,031	-0.7	+1.0	+2.2	35,482	35,197	34,951	34,665	35,063
20	Food and kindred products.....	8,130	8,419	7,960	7,468	-3.4	+5.8	+6.6	8,239	7,852	7,489	7,236	7,548
21	Tobacco products.....	3,977	4,063	4,094	4,338	-2.1	-0.8	-5.6	3,913	3,932	3,822	3,895	3,920
22	Textile mill products.....	2,227	2,191	2,122	2,076	+1.6	+3.3	+2.2	2,047	2,052	2,062	2,085	1,740
26	Paper and allied products.....	4,374	4,235	4,194	4,082	+3.3	+1.0	+2.7	4,337	4,239	4,218	4,166	4,245
28	Chemicals and allied products.....	7,450	7,475	7,488	7,302	-0.3	-0.2	+2.5	7,255	7,364	7,411	7,335	7,629
29	Petroleum and coal products.....	2,065	2,177	2,265	2,288	-5.1	-3.9	-1.0	2,151	2,143	2,236	2,294	2,362
30	Rubber and plastics products.....	2,003	2,012	2,020	2,032	-0.4	-0.4	-0.6	1,995	1,997	1,977	2,065	2,047
23,27, 31	All other nondurable goods.....	5,690	5,604	5,671	5,445	+1.5	-1.2	+4.2	5,545	5,618	5,736	5,589	5,816
	WORK IN PROCESS												
	All manufacturing industries..	91,592	90,747	90,556	90,522	+0.9	+0.2	0.0	91,354	90,630	90,956	90,350	93,484
	Durable goods industries.....	76,937	76,270	76,116	76,081	+0.9	+0.2	0.0	76,671	76,098	76,455	75,909	78,677
32	Stone, clay, and glass products...	791	788	785	786	+0.4	+0.4	-0.1	737	758	771	783	876
33	Primary metals.....	7,577	7,399	7,293	7,350	+2.4	+1.5	-0.8	7,443	7,357	7,415	7,430	8,326
34	Fabricated metal products.....	6,079	6,196	6,175	6,098	-1.9	+0.3	+1.3	5,986	6,083	6,167	6,160	6,284
35	Machinery, except electrical.....	15,196	15,095	15,074	15,195	+0.7	+0.1	-0.8	15,159	15,047	15,065	15,021	17,051
36	Electrical Machinery.....	14,472	14,209	14,259	14,301	+1.9	-0.4	-0.3	14,463	14,149	14,308	14,288	13,419
37	Transportation equipment.....	25,474	25,273	25,227	25,070	+0.8	+0.2	+0.6	25,641	25,396	25,366	24,915	25,504
38	Instruments and related products..	3,885	3,941	3,989	3,970	-1.4	-1.2	+0.5	3,831	3,910	4,008	3,993	4,059
24,25, 39	All other durable goods.....	3,463	3,369	3,314	3,311	+2.8	+1.7	+0.1	3,411	3,398	3,355	3,319	3,158
	Nondurable goods industries.....	14,655	14,477	14,440	14,441	+1.2	+0.3	0.0	14,683	14,532	14,501	14,441	14,807
20	Food and kindred products.....	1,684	1,706	1,815	1,735	-1.3	-6.0	+4.6	1,700	1,685	1,724	1,679	1,856
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,140	2,193	2,112	2,090	-2.4	+3.8	+1.1	2,124	2,177	2,112	2,070	1,974
26	Paper and allied products.....	1,081	1,040	1,050	1,092	+3.9	-1.0	-3.8	1,059	1,046	1,069	1,092	1,080
28	Chemicals and allied products.....	3,436	3,365	3,338	3,331	+2.1	+0.8	+0.2	3,415	3,339	3,324	3,319	3,369
29	Petroleum and coal products.....	1,823	1,792	1,777	1,747	+1.7	+0.8	+1.7	1,770	1,767	1,793	1,783	2,012
30	Rubber and plastics products.....	994	994	1,009	1,000	0.0	-1.5	+0.9	989	997	998	988	1,122
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,214	82,092	82,615	82,486	+0.1	-0.6	+0.2	81,160	80,854	81,832	82,166	86,466
	Durable goods industries.....	43,075	43,109	43,611	43,475	-0.1	-1.2	+0.3	41,862	41,983	42,942	43,440	45,398
32	Stone, clay, and glass products...	3,025	2,985	2,981	3,038	+1.3	+0.1	-1.9	2,865	2,845	2,949	3,059	2,885
33	Primary metals.....	5,795	5,944	6,002	5,947	-2.5	-1.0	+0.9	5,634	5,678	5,782	5,870	6,109
34	Fabricated metal products.....	4,487	4,504	4,680	4,797	-0.4	-3.8	-2.4	4,333	4,296	4,580	4,731	4,996
35	Machinery, except electrical.....	11,528	11,415	11,731	11,518	+1.0	-2.7	+1.8	11,210	11,297	11,595	11,674	12,777
36	Electrical Machinery.....	5,454	5,512	5,477	5,329	-1.1	+0.6	+2.8	5,347	5,384	5,397	5,308	5,890
37	Transportation equipment.....	4,729	4,741	4,686	4,819	-0.3	+1.2	-2.8	4,732	4,655	4,660	4,765	5,112
38	Instruments and related products..	2,493	2,448	2,471	2,427	+1.8	-0.9	+1.8	2,433	2,422	2,463	2,463	2,421
24,25, 39	All other durable goods.....	5,564	5,560	5,583	5,600	+0.1	-0.4	-0.3	5,308	5,406	5,516	5,570	5,208
	Nondurable goods industries.....	39,139	38,983	39,004	39,011	+0.4	-0.1	0.0	39,298	38,871	38,890	38,726	41,068
20	Food and kindred products.....	10,823	10,994	11,306	11,122	-1.6	-2.8	+1.7	11,890	11,602	11,277	10,522	12,650
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,538	2,485	2,472	2,439	+2.1	+0.5	+1.4	2,430	2,414	2,457	2,445	2,273
26	Paper and allied products.....	3,207	3,215	3,147	3,160	-0.2	+2.2	-0.4	3,078	3,002	3,090	3,172	3,182
28	Chemicals and allied products.....	8,835	8,775	8,977	8,876	+0.7	-2.3	+1.1	8,594	8,372	8,777	8,775	9,172
29	Petroleum and coal products.....	4,788	4,654	4,288	4,452	+2.9	+8.5	-3.7	4,817	4,868	4,455	4,518	5,065
30	Rubber and plastics products.....	2,700	2,664	2,671	2,690	+1.4	-0.3	-0.7	2,553	2,526	2,574	2,638	2,643
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983	Oct. 1983[p]	Sept. 1983[r]	Aug. 1983	July 1983
	All manufacturing industries	1.48	1.46	1.48	1.50	3.61	3.54	3.58	3.60
	Durable goods industries	1.94	1.92	1.94	1.98	4.43	4.30	4.40	4.40
32	Stone, clay, and glass products	1.38	1.32	1.35	1.44	0.55	0.52	0.53	0.56
33	Primary metals	1.94	1.97	1.99	2.01	2.55	2.55	2.47	2.39
34	Fabricated metal products	1.61	1.63	1.72	1.76	2.11	2.12	2.25	2.31
35	Machinery, except electrical	2.37	2.37	2.47	2.42	4.00	3.86	3.87	3.77
36	Electrical machinery	2.03	1.98	2.11	2.07	5.05	4.88	5.14	5.02
37	Transportation equipment	2.02	1.92	1.81	1.99	12.08	11.29	11.31	11.62
38	Instruments and related products	2.09	2.09	2.18	2.05	1.79	1.82	1.88	1.78
	Nondurable goods industries	1.01	1.00	1.01	1.02	0.56	0.59	0.56	0.57
20	Food and kindred products	0.85	0.86	0.87	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	2.93	2.52	3.22	3.73	(X)	(X)	(X)	(X)
22	Textile mill products	1.50	1.52	1.47	1.48	1.36	1.40	1.38	1.36
26	Paper and allied products	1.17	1.16	1.15	1.17	0.48	0.48	0.45	0.46
28	Chemicals and allied products	1.14	1.16	1.22	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.54	0.51	0.50	0.50	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.26	1.32	1.29	(X)	(X)	(X)	(X)

See footnotes at end of table 2.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Oct. 1982	All Octs. 1978-1982	Oct. 1982-Sept. 1983	Year ago Oct. 1982	All Octs. 1978-1982	Oct. 1982-Sept. 1983	Year ago Oct. 1982	All Octs. 1978-1982	Oct. 1982-Sept. 1983	Year ago Oct. 1982	All Octs. 1978-1982	Oct. 1982-Sept. 1983
	All manufacturing industries.	0.2	0.2	0.3	0.2	0.2	0.3	0.0	0.1	0.2	0.0	0.1	0.2
	Durable goods industries	0.1	0.2	0.3	0.3	0.5	0.7	0.1	0.1	0.2	0.3	0.2	0.2
32	Stone, clay, and glass products..	2.1	1.1	1.0	2.8	1.5	1.5	1.3	1.6	1.4	1.4	1.6	0.7
33	Primary metals	0.1	0.3	0.9	0.4	0.9	1.4	0.1	0.3	0.4	0.1	0.1	0.3
34	Fabricated metal products	0.9	0.5	1.1	1.7	1.0	1.9	0.3	0.3	0.4	0.1	0.3	0.3
35	Machinery, except electrical	0.2	0.4	0.9	0.4	0.6	1.9	0.0	0.2	0.4	1.2	0.5	0.4
36	Electrical machinery	0.9	0.6	0.6	1.2	0.4	1.4	0.1	0.1	0.2	0.1	0.1	0.2
37	Transportation equipment	0.2	0.8	0.9	0.7	1.4	1.3	0.1	0.3	0.2	0.1	0.3	0.2
38	Instruments and related products.	1.8	0.9	0.8	1.4	1.2	1.3	0.1	0.3	0.6	0.2	0.4	0.5
	Nondurable goods industries	0.2	0.4	0.4	0.2	0.3	0.4	0.5	0.7	0.5	0.1	0.1	0.2
20	Food and kindred products	0.5	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.6
21	Tobacco products	0.0	3.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	0.4	1.3	1.3	0.9	1.7	1.4	0.4	0.6	0.9	1.1	1.5	0.5
26	Paper and allied products	1.1	0.8	0.9	2.1	1.1	1.6	1.9	0.8	1.7	0.4	0.4	0.4
28	Chemicals and allied products	0.7	1.2	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.1	0.4
29	Petroleum and coal products	0.4	0.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.7	0.8
30	Rubber and plastics products	1.2	1.1	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.9
	Capital Goods Industries:												
	Nondefense	0.5	0.6	1.0	0.1	0.6	1.7	0.1	0.1	0.2	0.1	0.2	0.2
	Defense	0.7	1.0	0.9	2.5	5.6	4.1	0.2	0.6	0.4	0.0	0.1	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

C
3.158:
M3-1(83)-11

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
FEB 8 1984
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

NOVEMBER 1983

M3-1(83)-11

FOR WIRE TRANSMISSION 10:30 A.M. E.S.T. Tuesday, January 3, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in November increased $4.0 billion or 2.2 percent from October to $185.8 billion. Sixty percent of that increase was attributable to new orders for defense capital goods. Excluding the defense category November orders were up 0.9 percent. Shipments of manufactured goods in November increased $4.6 billion or 2.6 percent to $181.4 billion, following a 1.0 percent decline last month. The level of manufacturers' unfilled orders increased $4.4 billion or 1.3 percent in November to $332.5 billion. This is 12 percent above the recession low in November a year ago of $298.1 billion. Without the defense capital goods category, the orders backlog showed a 0.9 percent increase. The book value of manufacturers' inventories at the end of November was estimated at $260.7 billion, showing little change from October.

NEW ORDERS. The increase in manufacturers' new orders in November of 2.2 percent resulted mostly from gains in the durable goods sector. New orders for transportation equipment increased $3.7 billion or 17.3 percent to $24.9 billion, with much of the increase reflecting large defense orders for aircraft and shipbuilding. New orders for the motor vehicle and parts industry, which for the most part reflects shipments for the month, showed an increase of 8.4 percent.

New orders for primary metals in November increased $0.8 billion or 7.4 percent to $11.7 billion, the largest one month gain since the 11.3 percent increase last May. Nearly all of this month's increase in orders was in the nonferrous category. New orders for the steel industry declined for the second month in a row.

New orders for machinery in November were down $2.0 billion or 6.0 percent to $30.6 billion. This is the first major decline in this category since orders began an upward trend in February when they were valued at $24.7 billion. The November decline resulted from decreases in the electrical and nonelectrical categories.

Within the capital goods sector, new orders for nondefense capital goods declined $1.3 billion or 4.9 percent to $24.7 billion. Declines were reported in most of the component categories although nondefense communications equipment increased. New orders for defense capital goods were up $2.4 billion or 44 percent to $8.0 billion, the largest one month volume since the $9.6 billion in orders recorded in January of this year.

SHIPMENTS. The increase in shipments of manufactured goods in November of 2.6 percent was almost all attributable to the durable goods industries. Every major industry except instruments showed significant gains.

Shipments of transportation equipment were up $1.9 billion or 9.7 percent to $21.8 billion mostly as a result of an increase in the motor vehicle and parts industry of 10.4 percent. Shipments of machinery were up $1.1 billion or 3.6 percent to $30.3 billion while shipments of primary metals were up $0.5 billion or 4.9 percent to $10.8 billion.

Shipments by the nondurable goods industries increased $0.4 billion or 0.5 percent to $89.0 billion, but the pattern within the specific industries was mixed. The largest increases were in the tobacco, apparel, and rubber and plastics products industries, while the largest declines were in foods and textile products.

UNFILLED ORDERS. The backlog of orders held by manufacturers at the end of November was valued at $332.5 billion, up $4.4 billion or 1.3 percent from October. Following the recession low in November a year ago of $298.1 billion, the unfilled order level has been increasing at an average rate of nearly one percent a month. This month's backlog increases were concentrated in the transportation equipment industry, up $3.1 billion or 2.4 percent to $131.2 billion, and the primary metals industry, up $0.9 billion or 3.3 percent to $27.2 billion.

INVENTORIES. Although the book value of inventories at the end of November showed little change from October at the total manufacturing level, a small increase in the durable goods industries virtually offset a decline in the nondurable sector. The increase in inventories of durable goods manufacturers was $0.4 billion or 0.2 percent, half of which was attributable to defense capital goods manufacturers. The decline in nondurable goods manufacturers' inventories was caused mostly by decreases in the foods, chemicals and petroleum products industries.

The inventory to shipments ratio at the end of November was 1.44. The ratio reached a high last year in October of 1.76. With steady declines in inventories the ratio dropped to a low of 1.48 in June. Between June and October the ratio fluctuated around 1.48, before falling to this month's low of 1.44.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for release on January 25, 1984 at 8:30 A.M. and the full report on February 1, 1984 at 10:30 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	1983[p]	1982
	All manufacturing industries	181,428	176,790	178,590	175,989	+2.6	-1.0	+1.5	180,605	183,314	186,460	172,163	1,872,975	1,760,051
	Manufacturing industries with unfilled orders	94,327	91,245	91,236	89,531	+3.4	0.0	+1.9	94,154	94,742	95,727	87,475	959,545	903,329
	Durable goods industries	92,433	88,228	88,970	87,918	+4.8	-0.8	+1.2	91,943	92,878	93,354	83,450	930,302	850,744
	With unfilled orders	75,011	72,046	72,572	70,421	+4.1	-0.7	+3.1	74,654	74,763	76,099	68,143	757,474	716,693
32	Stone, clay, and glass products	4,308	4,200	4,325	4,241	+2.6	-2.9	+2.0	4,254	4,530	4,687	4,475	45,282	40,768
322	Glass containers	392	398	410	424	-1.5	-2.9	-3.3	370	402	424	443	4,526	4,454
33	Primary metals	10,835	10,327	10,091	10,048	+4.9	+2.3	+0.4	10,341	10,515	10,363	9,581	105,286	99,637
331	Blast furnaces, steel mills	4,386	4,136	4,075	4,115	+6.0	+1.5	-1.0	4,201	4,157	4,104	3,860	42,079	44,261
333-9	Nonferrous and other primary metals	5,249	5,046	4,908	4,833	+4.0	+2.8	+1.6	4,950	5,147	5,143	4,664	52,126	45,726
34	Fabricated metal products	10,995	10,785	10,802	10,328	+1.9	-0.2	+4.6	10,759	11,338	11,218	10,389	111,566	105,710
341	Metal cans, barrels, and drums	960	949	962	998	+1.2	-1.4	-3.6	801	910	1,091	1,163	10,457	10,695
35	Machinery, except electrical	16,320	15,713	15,642	15,111	+3.9	+0.5	+3.5	15,884	15,748	16,241	14,224	161,843	165,934
351	Engines and turbines	1,171	1,068	1,070	982	+9.6	-0.2	+9.0	1,097	1,039	1,106	917	11,095	11,902
352	Farm machinery and equipment	1,132	1,002	932	864	+13.0	+7.5	+7.9	931	1,085	948	780	10,163	11,016
353	Construction, mining, and material handling equipment	2,784	2,540	2,544	2,236	+9.6	-0.2	+13.8	2,645	2,525	2,590	2,165	25,754	32,141
354	Metalworking machinery	735	733	741	712	+0.3	-1.1	+4.1	713	759	773	640	7,284	8,945
356	General industrial machinery	1,337	1,183	1,250	1,364	+13.0	-5.4	-8.4	1,289	1,249	1,272	1,322	13,338	14,303
357	Office and computing machines	3,889	4,013	4,065	3,833	-3.1	-1.3	+6.1	4,119	3,896	4,435	3,688	40,982	35,560
36	Electrical machinery	13,997	13,547	13,711	12,870	+3.3	-1.2	+6.5	14,163	14,150	14,486	12,481	142,195	129,129
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,902	1,847	1,997	1,883	+3.0	-7.5	+6.1	1,884	1,852	2,078	1,815	19,906	20,118
363	Household appliances	1,268	1,287	1,299	1,309	-1.5	-0.9	-0.8	1,218	1,359	1,411	1,354	13,815	11,188
365	Radio and TV	717	764	721	675	-6.2	+6.0	+6.8	837	893	865	666	7,904	7,212
366	Communication equipment	4,487	4,212	4,196	3,734	+6.5	+0.4	+12.4	4,399	4,236	4,289	3,555	44,114	40,126
367	Electronic components	3,233	3,074	3,147	3,018	+5.2	-2.3	+4.3	3,256	3,206	3,311	2,919	32,220	28,867
37	Transportation equipment	21,795	19,874	20,705	21,917	+9.7	-4.0	-5.5	22,391	21,880	21,537	18,389	218,643	179,881
371	Motor vehicles and parts	14,306	12,961	13,450	14,672	+10.4	-3.6	-8.3	14,894	14,984	14,011	11,693	138,650	104,483
372,6	Aircraft, missiles, and parts	6,022	5,428	5,693	5,857	+10.9	-4.7	-2.8	6,091	5,387	6,002	5,391	63,391	57,643
3731,95	Shipbuilding and military tank vehicles	808	859	890	762	-5.9	-3.5	+16.8	803	863	888	726	9,219	10,880
38	Instruments and related products	4,276	4,302	4,290	4,116	-0.6	+0.3	+4.2	4,385	4,443	4,566	4,082	45,321	44,809
381-4	Scientific and engineering instruments	2,449	2,528	2,515	2,443	-3.1	+0.5	+2.9	2,437	2,561	2,656	2,377	26,467	25,603
386	Photographic goods	1,649	1,587	1,584	1,469	+3.9	+0.2	+7.8	1,767	1,673	1,693	1,492	16,643	17,089
24,25, 39	All other durable goods	9,907	9,480	9,404	9,287	+4.5	+0.8	+1.3	9,766	10,274	10,256	9,829	100,166	84,876
	Nondurable goods industries	88,995	88,562	89,620	88,071	+0.5	-1.2	+1.8	88,662	90,436	93,106	88,713	942,673	909,307
	With unfilled orders	19,316	19,199	18,664	19,110	+0.6	+2.9	-2.3	19,500	19,979	19,628	19,332	202,071	186,636
20	Food and kindred products	23,906	24,089	24,698	24,131	-0.8	-2.5	+2.3	24,313	24,919	26,148	24,244	263,295	254,441
201	Meat products	5,410	5,292	5,430	5,498	+2.2	-2.5	-1.2	5,497	5,615	5,636	5,657	60,864	60,583
208	Beverages	3,263	3,351	3,597	3,706	-2.6	-6.8	-2.9	3,302	3,532	3,625	3,932	39,126	37,289
207	Fats and oils	1,423	1,526	1,520	1,420	-6.7	+0.4	+7.0	1,474	1,530	1,552	1,389	15,069	14,155
203-6,9	All other foods	10,746	10,736	10,866	10,297	+0.1	-1.2	+5.5	10,983	11,090	11,974	10,050	113,358	107,503
21	Tobacco products	1,659	1,540	1,825	1,441	+7.7	-15.6	+26.6	1,679	1,597	1,817	1,505	16,101	13,108
22	Textile mill products	4,404	4,616	4,524	4,560	-4.6	+2.0	-0.8	4,428	4,807	4,830	4,651	47,677	43,391
26	Paper and allied products	7,515	7,453	7,324	7,307	+0.8	+1.8	+0.2	7,244	7,556	7,519	7,487	78,327	72,951
261-3,6	Pulp, paper etc.	3,205	3,110	3,169	3,086	+3.1	-1.9	+2.7	3,169	3,124	3,180	3,103	33,213	31,016
265	Paperboard containers	1,680	1,666	1,605	1,606	+0.8	+3.8	-0.1	1,619	1,754	1,669	1,640	17,481	16,977
264	All other paper products	2,630	2,677	2,550	2,615	-1.8	+5.0	-2.5	2,456	2,678	2,670	2,744	27,633	24,958
28	Chemicals and allied products	17,020	16,935	16,968	16,196	+0.5	-0.2	+4.8	15,943	16,087	17,244	15,591	172,797	159,084
281,6	Industrial chemicals, except pigments	5,516	5,392	5,503	5,143	+2.3	-2.0	+7.0	5,207	5,096	5,464	4,927	54,436	51,355
283,4	Drugs, soaps, and toiletries	4,071	3,839	3,941	4,188	+6.0	-2.6	-5.9	3,932	3,912	4,627	4,079	44,602	44,547
29	Petroleum and coal products	16,273	16,274	16,877	16,669	0.0	-3.6	+1.2	16,235	16,236	16,900	16,723	174,987	190,051
30	Rubber and plastics products	4,663	4,435	4,497	4,321	+5.1	-1.4	+4.1	4,424	4,715	4,655	4,438	47,660	46,630
23,27, 31	All other nondurable goods	13,555	13,220	12,907	13,446	+2.5	+2.4	-4.0	14,396	14,519	13,993	14,074	141,829	129,651
	Market categories:													
	Home goods and apparel	12,794	12,525	12,506	12,520	+2.1	+0.2	-0.1	13,380	14,045	14,013	13,581	134,123	121,985
	Consumer staples	32,229	31,996	32,796	32,419	+0.7	-2.4	+1.2	32,840	33,143	34,996	32,412	351,882	336,976
	Equipment and defense products, except automotive	26,569	25,140	25,754	24,569	+5.7	-2.4	+4.8	26,097	25,282	26,813	23,348	268,254	265,106
	Automotive equipment	16,228	14,862	15,365	16,579	+9.2	-3.3	-7.3	16,670	17,074	16,034	13,673	159,727	121,756
	Construction materials, supplies and intermediate products	14,034	13,780	13,927	13,407	+1.8	-1.1	+3.9	13,721	14,646	14,833	14,181	145,372	125,797
	Other materials, supplies, and intermediate products	79,574	78,487	78,242	76,495	+1.4	+0.3	+2.3	77,897	79,124	79,771	74,968	813,617	788,431
	Supplementary series:[2]													
	Capital goods industries	29,956	28,669	29,132	28,007	+4.5	-1.6	+4.0	29,907	28,836	30,388	26,437	304,683	299,395
	Nondefense	24,411	23,077	23,704	22,565	+5.8	-2.6	+5.0	24,345	23,236	24,734	21,261	246,124	248,393
	Defense	5,545	5,592	5,428	5,442	-0.8	+3.0	-0.3	5,562	5,600	5,654	5,176	58,559	51,002
	Household durable goods industries	5,802	5,644	5,607	5,470	+2.8	+0.7	+2.5	5,929	6,236	6,361	5,738	59,443	53,697

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	1983[p]	1982
	All manufacturing industries	185,845	181,802	180,961	178,302	+2.2	+0.5	+1.5	184,082	189,773	188,190	172,883	1,901,650	1,733,268
	Manufacturing industries with unfilled orders	98,745	96,257	93,607	91,844	+2.6	+2.8	+1.9	97,631	101,201	97,457	88,194	988,219	876,546
	Durable goods industries	96,704	93,366	90,996	89,978	+3.6	+2.6	+1.1	95,604	99,454	94,806	83,883	957,329	824,992
	With unfilled orders	79,282	77,184	74,598	72,481	+2.7	+3.5	+2.9	78,315	81,339	77,551	68,575	784,500	690,941
32	Stone, clay, and glass products	4,288	4,237	4,320	4,285	+1.2	-1.9	+0.8	4,248	4,520	4,656	4,459	45,621	40,236
33	Primary metals	11,711	10,906	11,014	11,006	+7.4	-1.0	+0.1	11,304	11,162	10,743	10,470	111,134	93,248
331	Blast furnaces, steel mills	4,552	4,725	4,944	4,727	-3.7	-4.4	+4.6	4,539	4,842	4,588	4,424	45,699	40,177
333-9	Nonferrous and other primary metals	5,960	5,018	4,857	5,240	+18.8	+3.3	-7.3	5,522	5,065	4,977	5,033	54,049	44,402
34	Fabricated metal products	11,061	10,518	10,654	10,341	+5.2	-1.3	+3.0	10,662	10,914	11,009	10,214	110,613	99,556
35	Machinery, except electrical	16,103	17,509	17,233	15,391	-8.0	+1.6	+12.0	15,797	17,582	17,351	13,940	163,848	149,497
351	Engines and turbines	1,265	1,468	864	937	-13.8	+69.9	-7.8	1,039	1,799	897	927	10,969	10,634
353	Construction, mining, and material handling equipment	2,768	2,589	2,615	2,356	+6.9	-1.0	+11.0	2,646	2,579	2,632	2,212	25,710	26,739
354	Metalworking machinery	743	799	734	788	-7.0	+8.9	-6.9	717	835	728	763	7,322	6,521
356	General industrial machinery	1,269	1,595	1,334	1,228	-20.4	+19.6	+8.6	1,183	1,653	1,283	1,202	13,259	12,837
357	Office and computing machines	3,538	4,574	5,532	3,839	-22.6	-17.3	+44.1	3,984	4,095	5,531	3,049	42,256	32,771
36	Electrical machinery	14,516	15,075	14,382	13,987	-3.7	+4.8	+2.8	14,444	15,467	14,836	13,741	150,728	134,618
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,824	1,843	2,120	1,925	-1.0	-13.1	+10.1	1,767	1,832	2,118	1,871	19,766	19,263
363	Household appliances	1,310	1,296	1,298	1,350	+1.1	-0.2	-3.9	1,222	1,304	1,381	1,395	13,953	11,197
365	Radio and TV	644	570	632	654	+13.0	-9.8	-3.4	749	568	698	814	7,752	7,156
366	Communication equipment	4,750	4,527	4,373	3,937	+4.9	+3.5	+11.1	4,577	4,779	4,605	3,745	47,138	46,477
367	Electronic components	3,625	4,417	3,637	3,807	-17.9	+21.4	-4.5	3,586	4,346	3,542	3,655	37,731	28,925
37	Transportation equipment	24,854	21,180	19,514	21,660	+17.3	+8.5	-9.9	25,180	25,148	21,669	17,108	227,729	178,990
372,6	Aircraft, missiles, and parts	7,720	6,824	5,551	5,448	+13.1	+22.9	+1.9	7,021	8,523	6,544	3,978	69,739	59,826
3731,95	Shipbuilding and military tank vehicles	1,890	314	-5	306	+501.9	(n)	-101.6	2,367	441	575	298	9,887	9,509
38	Instruments and related products	4,263	4,225	4,374	4,120	+0.9	-3.4	+6.2	4,313	4,335	4,567	4,098	45,943	44,744
24,25, 39	All other durable goods	9,908	9,716	9,505	9,188	+2.0	+2.2	+3.5	9,656	10,326	9,975	9,853	101,713	84,103
	Nondurable goods industries	89,141	88,436	89,965	88,324	+0.8	-1.7	+1.9	88,478	90,319	93,384	89,000	944,321	908,276
	With unfilled orders	19,463	19,073	19,009	19,363	+2.0	+0.3	-1.8	19,316	19,862	19,906	19,619	203,719	185,605
	Market categories:													
	Home goods and apparel	12,749	12,389	12,387	12,592	+2.9	0.0	-1.6	13,147	13,563	13,573	13,778	134,774	121,348
	Consumer staples	32,254	31,973	32,815	32,448	+0.9	-2.6	+1.1	32,815	33,085	35,055	32,450	351,824	336,960
	Equipment and defense products, except automotive	29,267	27,514	27,341	24,251	+6.4	+0.6	+12.7	28,663	29,295	28,939	21,251	278,072	257,825
	Automotive equipment	16,478	15,334	15,178	17,179	+7.5	+1.0	-11.6	16,935	17,644	15,904	14,233	161,684	120,392
	Construction materials, supplies and intermediate products	14,082	13,714	13,764	13,569	+2.7	-0.4	+1.4	13,727	14,422	14,627	14,168	145,228	122,500
	Other materials, supplies, and intermediate products	81,015	80,878	79,476	78,263	+0.2	+1.8	+1.5	78,795	81,764	80,092	77,003	830,068	774,243
	Supplementary series:[2]													
	Capital goods industries	32,686	31,528	30,159	27,573	+3.7	+4.5	+9.4	32,244	33,874	32,181	24,491	316,984	289,209
	Nondefense	24,721	26,003	25,213	23,028	-4.9	+3.1	+9.5	24,235	26,585	25,553	21,287	247,341	226,622
	Defense	7,965	5,525	4,946	4,545	+44.2	+11.7	+8.8	8,009	7,289	6,628	3,204	69,643	62,587
	Household durable goods industries	5,754	5,537	5,452	5,553	+3.9	+1.6	-1.8	5,707	5,781	5,896	5,971	60,041	53,203

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Nov. 1982
	All manufacturing industries..	332,463	328,041	323,032	320,664	+1.3	+1.6	+0.7	328,417	324,937	318,473	316,747	294,619
	Durable goods industries.....	321,459	317,185	312,048	310,024	+1.3	+1.6	+0.7	317,794	314,130	307,547	306,099	285,883
32	Stone, clay, and glass products...	2,044	2,066	2,029	2,034	-1.1	+1.8	-0.2	1,994	2,000	2,011	2,043	1,717
33	Primary metals.....	27,164	26,289	25,710	24,788	+3.3	+2.3	+3.7	26,140	25,178	24,530	24,149	20,056
331	Blast furnaces, steel mills.....	16,274	16,108	15,519	14,650	+1.0	+3.8	+5.9	15,688	15,351	14,666	14,181	11,900
333-9	Nonferrous and other primary metals.....	8,443	7,733	7,761	7,812	+9.2	-0.4	-0.7	7,988	7,416	7,497	7,663	5,990
34	Fabricated metal products.....	20,631	20,565	20,834	20,982	+0.3	-1.3	-0.7	20,288	20,386	20,810	21,018	22,271
35	Machinery, except electrical.....	58,342	58,556	56,759	55,168	-0.4	+3.2	+2.9	57,542	57,629	55,794	54,684	56,791
351	Engines and turbines.....	14,847	14,752	14,353	14,558	+0.6	+2.8	-1.4	14,935	14,992	14,232	14,441	16,482
353	Construction, mining, and material handling equipment....	5,669	5,685	5,636	5,565	-0.3	+0.9	+1.3	5,589	5,589	5,534	5,492	6,017
354	Metalworking machinery.....	2,422	2,414	2,347	2,354	+0.3	+2.9	-0.3	2,434	2,430	2,354	2,399	2,534
356	General industrial machinery....	4,688	4,757	4,345	4,262	-1.5	+9.5	+1.9	4,613	4,719	4,315	4,304	4,838
357	Office and computing machines...	20,101	20,453	19,892	18,424	-1.7	+2.8	+8.0	19,418	19,553	19,354	18,258	17,107
36	Electrical machinery.....	68,910	68,392	66,863	66,192	+0.8	+2.3	+1.0	68,140	67,856	66,538	66,192	58,575
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,709	6,787	6,791	6,667	-1.1	-0.1	+1.9	6,622	6,738	6,758	6,719	6,877
363	Household appliances.....	529	487	478	479	+8.6	+1.9	-0.2	445	441	495	525	282
365	Radio and TV.....	266	338	532	621	-21.3	-36.5	-14.3	252	340	665	833	378
366	Communication equipment.....	41,774	41,513	41,197	41,021	+0.6	+0.8	+0.4	41,531	41,352	40,809	40,494	37,421
367	Electronic components.....	18,275	17,883	16,540	16,050	+2.2	+8.1	+3.1	17,928	17,597	16,457	16,227	12,374
37	Transportation equipment.....	131,192	128,132	126,827	128,020	+2.4	+1.0	-0.9	130,933	128,141	124,873	124,739	115,393
372,6	Aircraft, missiles, and parts...	100,153	98,455	97,060	97,203	+1.7	+1.4	-0.1	99,699	98,767	95,631	95,088	91,427
3731,95	Shipbuilding and military tank vehicles.....	23,230	22,148	22,692	23,589	+4.9	-2.4	-3.8	23,414	21,849	22,271	22,584	18,392
38	Instruments and related products..	7,722	7,733	7,812	7,728	-0.1	-1.0	+1.1	7,596	7,669	7,774	7,774	7,106
24,25, 39	All other durable goods.....	5,454	5,452	5,214	5,112	0.0	+4.6	+2.0	5,161	5,271	5,217	5,500	3,787
	Nondurable goods industries.....	11,004	10,856	10,984	10,640	+1.4	-1.2	+3.2	10,623	10,807	10,926	10,648	8,736
	Market categories:												
	Home goods and apparel.....	3,973	4,016	4,153	4,272	-1.1	-3.3	-2.8	3,655	3,889	4,368	4,810	3,061
	Consumer staples.....	741	716	739	720	+3.5	-3.1	+2.6	705	731	790	731	742
	Equipment and defense products, except automotive.....	194,551	191,853	189,477	187,894	+1.4	+1.3	+0.8	192,864	190,294	186,279	184,156	178,184
	Automotive equipment.....	7,300	7,050	6,578	6,765	+3.5	+7.2	-2.8	7,308	7,043	6,473	6,603	5,100
	Construction materials, supplies and intermediate products.....	12,504	12,456	12,523	12,685	+0.4	-0.5	-1.3	12,305	12,299	12,524	12,730	13,428
	Other materials, supplies, and intermediate products.....	113,394	111,950	109,562	108,328	+1.3	+2.2	+1.1	111,580	110,681	108,039	107,717	94,104
	Supplementary series:[2]												
	Capital goods industries.....	233,462	230,732	227,872	226,847	+1.2	+1.3	+0.5	232,023	229,682	224,643	222,851	213,934
	Nondefense.....	124,625	124,314	121,388	119,880	+0.3	+2.4	+1.3	123,502	123,609	120,260	119,442	123,647
	Defense.....	108,837	106,418	106,484	106,967	+2.3	-0.1	-0.5	108,521	106,073	104,383	103,409	90,287
	Household durable goods industries.....	3,502	3,548	3,655	3,809	-1.3	-2.9	-4.0	3,193	3,417	3,869	4,335	2,692

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES POR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Percent change: Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Not seasonally adjusted[1]: End of month: Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Nov. 1982
	All manufacturing industries..	260,697	260,816	260,021	259,834	0.0	+0.3	+0.1	259,070	259,030	257,443	258,561	266,310
	Manufacturing industries with unfilled orders.....	178,070	177,666	177,162	176,848	+0.2	+0.3	+0.2	176,074	175,812	175,489	176,830	182,145
	Durable goods industries.....	171,011	170,628	170,385	170,576	+0.2	+0.1	-0.1	169,353	169,084	168,843	170,219	175,402
	With unfilled orders.....	156,281	156,052	156,011	155,914	+0.1	0.0	+0.1	154,918	154,800	154,709	155,708	161,718
32	Stone, clay, and glass products..	5,806	5,724	5,697	5,714	+1.4	+0.5	-0.3	5,549	5,482	5,508	5,648	5,768
322	Glass containers.....	643	615	606	603	+4.6	+1.5	+0.5	631	610	597	612	641
33	Primary metals.....	19,786	19,785	19,913	20,010	0.0	-0.6	-0.5	19,606	19,527	19,600	19,868	22,190
331	Blast furnaces, steel mills.....	9,493	9,463	9,468	9,560	+0.3	-0.1	-1.0	9,465	9,416	9,411	9,579	11,299
333-9	Nonferrous and other primary metals.....	9,107	9,119	9,233	9,251	-0.1	-1.2	-0.2	8,989	8,937	9,011	9,122	9,724
34	Fabricated metal products.....	17,531	17,347	17,566	17,783	+1.1	-1.2	-1.2	17,026	16,995	17,194	17,638	17,575
341	Metal cans, barrels, and drums..	1,822	1,752	1,797	2,069	+4.0	-2.5	-13.1	1,552	1,514	1,543	1,972	1,522
35	Machinery, except electrical.....	36,900	36,957	37,078	37,316	-0.2	-0.3	-0.6	36,675	36,647	36,750	37,133	40,732
351	Engines and turbines.....	2,034	2,115	2,103	2,145	-3.8	+0.6	-2.0	2,049	2,106	2,065	2,108	2,414
352	Farm machinery and equipment....	2,047	2,044	2,051	1,951	+0.1	-0.3	+5.1	1,918	1,915	1,977	1,918	2,056
353	Construction, mining, and material handling equipment....	7,175	7,299	7,427	7,513	-1.7	-1.7	-1.1	7,146	7,168	7,278	7,438	9,366
354	Metalworking machinery.....	2,226	2,241	2,263	2,278	-0.7	-1.0	-0.7	2,226	2,246	2,240	2,282	2,470
356	General industrial machinery....	3,682	3,641	3,682	3,685	+1.1	-1.1	-0.1	3,623	3,590	3,649	3,659	3,932
357	Office and computing machines...	9,790	9,789	9,800	9,922	0.0	-0.1	-1.2	9,859	9,858	9,849	10,011	9,716
36	Electrical machinery.....	27,610	27,445	27,211	27,098	+0.6	+0.9	+0.4	27,240	27,239	26,991	27,136	26,729
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,031	4,090	4,040	4,002	-1.4	+1.2	+0.9	4,028	4,099	4,013	3,990	4,213
363	Household appliances.....	1,860	1,841	1,807	1,804	+1.0	+1.9	+0.2	1,747	1,757	1,715	1,773	1,695
365	Radio and TV.....	1,006	988	1,032	1,007	+1.8	-4.3	+2.5	973	971	1,022	1,054	1,123
366	Communication equipment.....	10,966	10,954	10,856	10,761	+0.1	+0.9	+0.9	10,942	10,925	10,782	10,747	10,198
367	Electronic components.....	5,608	5,503	5,467	5,546	+1.9	+0.7	-1.4	5,518	5,492	5,450	5,551	5,518
37	Transportation equipment.....	39,928	39,977	39,805	39,594	-0.1	+0.4	+0.5	40,238	40,134	39,772	39,712	39,754
371	Motor vehicles and parts.....	8,863	8,724	8,602	8,537	+1.6	+1.4	+0.8	9,127	8,933	8,754	8,633	8,193
372,6	Aircraft, missiles, and parts...	28,136	28,350	28,272	28,027	-0.8	+0.3	+0.9	28,116	28,290	28,113	28,107	28,444
3731,95	Shipbuilding and military tank vehicles.....	1,444	1,435	1,478	1,552	+0.6	-2.9	-4.8	1,485	1,461	1,483	1,553	1,540
38	Instruments and related products..	9,051	8,988	8,961	8,982	+0.7	+0.3	-0.2	8,880	8,838	8,895	8,980	9,238
381-4	Scientific and engineering instruments.....	6,476	6,380	6,402	6,423	+1.5	-0.3	-0.3	6,392	6,291	6,351	6,397	6,535
386	Photographic goods.....	2,077	2,097	2,045	2,027	-1.0	+2.5	+0.9	2,000	2,051	2,033	2,057	2,171
24,25, 39	All other durable goods.....	14,399	14,405	14,154	14,079	0.0	+1.8	+0.5	14,139	14,222	14,133	14,104	13,416
	Nondurable goods industries.....	89,686	90,188	89,636	89,258	-0.6	+0.6	+0.4	89,717	89,946	88,600	88,342	90,908
	With unfilled orders.....	21,789	21,614	21,151	20,934	+0.8	+2.2	+1.0	21,156	21,012	20,780	21,122	20,427
20	Food and kindred products.....	20,631	20,859	21,119	21,081	-1.1	-1.2	+0.2	22,060	22,062	21,139	20,490	22,156
201	Meat products.....	2,002	1,968	1,920	1,945	+1.7	+2.5	-1.3	2,082	1,995	1,853	1,854	2,128
208	Beverages.....	3,253	3,258	3,300	3,536	-0.2	-1.3	-6.7	3,256	3,294	3,247	3,345	3,518
207	Fats and oils.....	1,742	2,050	2,245	1,714	-15.0	-8.7	+31.0	2,140	2,108	1,715	1,363	1,489
203-6,9	All other foods.....	11,869	11,868	11,993	12,199	0.0	-1.0	-1.7	12,866	12,948	12,665	12,199	13,392
21	Tobacco products.....	4,464	4,507	4,608	4,641	-1.0	-2.2	-0.7	4,531	4,584	4,530	4,316	4,485
22	Textile mill products.....	7,096	7,013	6,869	6,706	+1.2	+2.1	+2.4	6,874	6,704	6,643	6,631	6,062
26	Paper and allied products.....	8,764	8,675	8,490	8,391	+1.0	+2.2	+1.2	8,595	8,488	8,287	8,377	8,529
261-3,6	Pulp, paper etc.....	3,306	3,271	3,217	3,211	+1.1	+1.7	+0.2	3,283	3,237	3,160	3,220	3,366
265	Paperboard containers.....	2,322	2,264	2,201	2,198	+2.6	+2.9	+0.1	2,238	2,194	2,163	2,205	2,214
264	All other paper products.....	3,136	3,140	3,072	2,982	-0.1	+2.2	+3.0	3,074	3,057	2,964	2,952	2,949
28	Chemicals and allied products.....	19,586	19,826	19,615	19,803	-1.2	+1.1	-0.9	19,379	19,366	19,075	19,512	20,076
281,6	Industrial chemicals, except pigments.....	5,857	5,941	5,924	5,885	-1.4	+0.3	+0.7	5,793	5,793	5,746	5,821	6,364
283,4	Drugs, soaps, and toiletries....	6,201	6,404	6,331	6,290	-3.2	+1.2	+0.7	6,194	6,314	6,192	6,290	6,381
29	Petroleum and coal products.....	8,414	8,686	8,623	8,330	-3.1	+0.7	+3.5	8,601	8,748	8,778	8,484	9,972
30	Rubber and plastics products.....	5,785	5,724	5,670	5,700	+1.1	+1.0	-0.5	5,584	5,564	5,520	5,549	5,665
23,27, 31	All other nondurable goods.....	14,946	14,898	14,642	14,606	+0.3	+1.7	+0.2	14,093	14,430	14,628	14,983	13,963
	Market categories:												
	Home goods and apparel.....	20,765	20,804	20,544	20,334	-0.2	+1.3	+1.0	19,698	20,078	20,306	20,588	19,428
	Consumer staples.....	32,453	32,642	32,750	33,284	-0.6	-0.3	-1.6	33,430	33,733	33,095	32,780	34,498
	Equipment and defense products, except automotive.....	73,258	73,387	73,138	73,223	-0.2	+0.3	-0.1	72,963	72,883	72,499	73,025	76,474
	Automotive equipment.....	10,905	10,740	10,641	10,664	+1.5	+0.9	-0.2	11,143	10,882	10,731	10,653	10,278
	Construction materials, supplies and intermediate products.....	19,404	19,268	19,318	19,208	+0.7	-0.3	+0.6	18,845	18,862	18,985	18,993	18,621
	Other materials, supplies, and intermediate products.....	103,912	103,975	103,630	103,121	-0.1	+0.3	+0.5	102,991	102,592	101,827	102,522	107,011
	Supplementary series:[2]												
	Capital goods industries.....	82,908	83,226	83,091	83,091	-0.4	+0.2	0.0	82,700	82,857	82,507	83,017	86,434
	Nondefense.....	65,455	65,944	65,643	65,286	-0.7	+0.5	+0.5	65,393	65,765	65,198	65,148	70,982
	Defense.....	17,453	17,282	17,448	17,805	+1.0	-1.0	-2.0	17,307	17,092	17,309	17,869	15,452
	Household durable goods industries.....	9,856	9,951	9,907	9,806	-1.0	+0.4	+1.0	9,510	9,689	9,770	9,936	9,692

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Nov. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	87,479	87,132	87,182	86,663	+0.4	-0.1	+0.6	87,034	86,628	85,959	85,773	88,223
	Durable goods industries.....	51,380	51,016	51,006	50,849	+0.7	0.0	+0.3	51,254	50,951	50,762	50,822	52,975
32	Stone, clay, and glass products...	1,922	1,903	1,924	1,948	+1.0	-1.1	-1.2	1,882	1,877	1,905	1,928	2,017
33	Primary metals.....	6,602	6,556	6,570	6,715	+0.7	-0.2	-2.2	6,688	6,591	6,565	6,671	8,145
34	Fabricated metal products.....	6,843	6,831	6,866	6,928	+0.2	-0.5	-0.9	6,673	6,726	6,815	6,891	6,724
35	Machinery, except electrical.....	10,488	10,325	10,568	10,511	+1.6	-2.3	+0.5	10,490	10,371	10,406	10,473	11,492
36	Electrical Machinery.....	7,668	7,565	7,490	7,362	+1.4	+1.0	+1.7	7,482	7,471	7,458	7,431	7,458
37	Transportation equipment.....	9,886	9,826	9,791	9,681	+0.6	+0.4	+1.1	10,022	9,812	9,721	9,686	9,152
38	Instruments and related products..	2,520	2,596	2,572	2,522	-2.9	+0.9	+2.0	2,487	2,560	2,563	2,509	2,809
24,25, 39	All other durable goods.....	5,451	5,414	5,225	5,182	+0.7	+3.6	+0.8	5,530	5,543	5,329	5,233	5,178
	Nondurable goods industries.....	36,099	36,116	36,176	35,814	0.0	-0.2	+1.0	35,780	35,677	35,197	34,951	35,248
20	Food and kindred products.....	7,899	8,150	8,419	7,960	-3.1	-3.2	+5.8	8,317	8,256	7,852	7,489	7,840
21	Tobacco products.....	3,945	3,976	4,063	4,094	-0.8	-2.1	-0.8	3,896	3,914	3,932	3,822	3,988
22	Textile mill products.....	2,209	2,230	2,191	2,122	-0.9	+1.8	+3.3	2,094	2,048	2,052	2,062	1,804
26	Paper and allied products.....	4,472	4,377	4,235	4,194	+2.2	+3.4	+1.0	4,383	4,341	4,239	4,218	4,231
28	Chemicals and allied products.....	7,524	7,501	7,475	7,488	+0.3	+0.3	-0.2	7,322	7,305	7,364	7,411	7,451
29	Petroleum and coal products.....	2,068	2,059	2,177	2,265	+0.4	-5.4	-3.9	2,064	2,145	2,143	2,236	2,539
30	Rubber and plastics products.....	2,181	2,092	2,012	2,020	+4.3	+4.0	-0.4	2,120	2,083	1,997	1,977	1,960
23,27, 31	All other nondurable goods.....	5,801	5,731	5,604	5,671	+1.2	+2.3	-1.2	5,584	5,585	5,618	5,736	5,663
	WORK IN PROCESS												
	All manufacturing industries..	91,422	91,565	90,747	90,556	-0.2	+0.9	+0.2	91,079	91,320	90,630	90,956	92,581
	Durable goods industries.....	76,885	76,857	76,270	76,116	0.0	+0.8	+0.2	76,571	76,588	76,098	76,455	78,028
32	Stone, clay, and glass products...	788	779	788	785	+1.2	-1.1	+0.4	727	725	758	771	881
33	Primary metals.....	7,369	7,497	7,399	7,293	-1.7	+1.3	+1.5	7,207	7,363	7,357	7,415	8,040
34	Fabricated metal products.....	6,177	6,031	6,196	6,175	+2.4	-2.7	+0.3	5,986	5,938	6,083	6,167	5,954
35	Machinery, except electrical.....	15,191	15,254	15,095	15,074	-0.4	+1.1	+0.1	15,255	15,214	15,047	15,065	16,733
36	Electrical Machinery.....	14,575	14,533	14,209	14,259	+0.3	+2.3	-0.4	14,527	14,525	14,149	14,308	13,523
37	Transportation equipment.....	25,399	25,430	25,273	25,227	-0.1	+0.6	+0.2	25,570	25,598	25,396	25,366	25,734
38	Instruments and related products..	3,955	3,892	3,941	3,989	+1.6	-1.2	-1.2	3,910	3,838	3,910	4,008	4,027
24,25, 39	All other durable goods.....	3,431	3,441	3,369	3,314	-0.3	+2.1	+1.7	3,389	3,387	3,398	3,355	3,136
	Nondurable goods industries.....	14,537	14,708	14,477	14,440	-1.2	+1.6	+0.3	14,508	14,732	14,532	14,501	14,553
20	Food and kindred products.....	1,669	1,702	1,706	1,815	-1.9	-0.2	-6.0	1,717	1,717	1,685	1,724	1,859
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,332	2,251	2,193	2,112	+3.6	+2.6	+3.8	2,302	2,232	2,177	2,112	1,963
26	Paper and allied products.....	1,091	1,082	1,040	1,050	+0.8	+4.0	-1.0	1,071	1,060	1,046	1,069	1,039
28	Chemicals and allied products.....	3,382	3,438	3,365	3,338	-1.6	+2.2	+0.8	3,342	3,417	3,339	3,324	3,372
29	Petroleum and coal products.....	1,609	1,809	1,792	1,777	-11.1	+0.9	+0.8	1,652	1,757	1,767	1,793	2,050
30	Rubber and plastics products.....	1,033	1,003	994	1,009	+3.0	+0.9	-1.5	1,034	998	997	998	1,078
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	81,796	82,119	82,092	82,615	-0.4	0.0	-0.6	80,957	81,082	80,854	81,832	85,506
	Durable goods industries.....	42,746	42,755	43,109	43,611	0.0	-0.8	-1.2	41,528	41,545	41,983	42,942	44,399
32	Stone, clay, and glass products...	3,096	3,042	2,985	2,981	+1.8	+1.9	+0.1	2,940	2,880	2,845	2,949	2,870
33	Primary metals.....	5,815	5,732	5,944	6,002	+1.4	-3.6	-1.0	5,711	5,573	5,678	5,782	6,005
34	Fabricated metal products.....	4,511	4,485	4,504	4,680	+0.6	-0.4	-3.8	4,367	4,331	4,296	4,580	4,897
35	Machinery, except electrical.....	11,221	11,378	11,415	11,731	-1.4	-0.3	-2.7	10,930	11,062	11,297	11,595	12,507
36	Electrical Machinery.....	5,367	5,347	5,512	5,477	+0.4	-3.0	+0.6	5,231	5,243	5,384	5,397	5,748
37	Transportation equipment.....	4,643	4,721	4,741	4,686	-1.7	-0.4	+1.2	4,646	4,724	4,655	4,660	4,868
38	Instruments and related products..	2,576	2,500	2,448	2,471	+3.0	+2.1	-0.9	2,483	2,440	2,422	2,463	2,402
24,25, 39	All other durable goods.....	5,517	5,550	5,560	5,583	-0.6	-0.2	-0.4	5,220	5,292	5,406	5,516	5,102
	Nondurable goods industries.....	39,050	39,364	38,983	39,004	-0.8	+1.0	-0.1	39,429	39,537	38,871	38,890	41,107
20	Food and kindred products.....	11,063	11,007	10,994	11,306	+0.5	+0.1	-2.8	12,026	12,089	11,602	11,277	12,457
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,555	2,532	2,485	2,472	+0.9	+1.9	+0.5	2,478	2,424	2,414	2,457	2,295
26	Paper and allied products.....	3,201	3,216	3,215	3,147	-0.5	0.0	+2.2	3,141	3,087	3,002	3,090	3,259
28	Chemicals and allied products.....	8,680	8,887	8,775	8,977	-2.3	+1.3	-2.3	8,715	8,644	8,372	8,777	9,253
29	Petroleum and coal products.....	4,737	4,818	4,654	4,288	-1.7	+3.5	+8.5	4,885	4,846	4,868	4,455	5,383
30	Rubber and plastics products.....	2,571	2,629	2,664	2,671	-2.2	-1.3	-0.3	2,430	2,483	2,526	2,574	2,627
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983	Nov. 1983[p]	Oct. 1983[r]	Sept. 1983	Aug. 1983
	All manufacturing industries	1.44	1.48	1.46	1.48	3.52	3.60	3.54	3.58
	Durable goods industries	1.85	1.93	1.92	1.94	4.29	4.40	4.30	4.40
32	Stone, clay, and glass products	1.35	1.36	1.32	1.35	0.52	0.54	0.52	0.53
33	Primary metals	1.83	1.92	1.97	1.99	2.51	2.55	2.55	2.47
34	Fabricated metal products	1.59	1.61	1.63	1.72	2.06	2.09	2.12	2.25
35	Machinery, except electrical	2.26	2.35	2.37	2.47	3.84	3.98	3.86	3.87
36	Electrical machinery	1.97	2.03	1.98	2.11	4.92	5.05	4.88	5.14
37	Transportation equipment	1.83	2.01	1.92	1.81	11.27	11.95	11.29	11.31
38	Instruments and related products	2.12	2.09	2.09	2.18	1.81	1.80	1.82	1.88
	Nondurable goods industries	1.01	1.02	1.00	1.01	0.57	0.57	0.59	0.56
20	Food and kindred products	0.86	0.87	0.86	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.69	2.93	2.52	3.22	(X)	(X)	(X)	(X)
22	Textile mill products	1.61	1.52	1.52	1.47	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.17	1.16	1.16	1.15	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.15	1.17	1.16	1.22	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.52	0.53	0.51	0.50	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.24	1.29	1.26	1.32	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Nov. 1982	All Novs. 1978-1982	Nov. 1982-Oct. 1983	Year ago Nov. 1982	All Novs. 1978-1982	Nov. 1982-Oct. 1983	Year ago Nov. 1982	All Novs. 1978-1982	Nov. 1982-Oct. 1983	Year ago Nov. 1982	All Novs. 1978-1982	Nov. 1982-Oct. 1983
	All manufacturing industries.	0.3	0.3	0.3	0.3	0.4	0.3	0.0	0.1	0.2	0.0	0.0	0.2
	Durable goods industries	0.0	0.4	0.4	0.0	0.8	0.7	0.0	0.1	0.2	0.1	0.0	0.1
32	Stone, clay, and glass products	0.5	0.5	0.9	0.6	0.8	1.3	0.3	0.6	1.3	0.4	0.6	0.6
33	Primary metals	0.5	0.7	0.9	0.4	2.0	1.4	0.0	0.6	0.4	0.4	0.3	0.4
34	Fabricated metal products	1.1	1.2	1.1	1.6	1.6	1.8	1.0	0.4	0.4	0.7	0.5	0.3
35	Machinery, except electrical	0.3	1.0	0.9	0.1	1.8	2.0	0.1	0.3	0.4	0.2	0.2	0.3
36	Electrical machinery	0.5	0.3	0.6	1.5	0.5	1.3	0.2	0.2	0.2	0.4	0.2	0.2
37	Transportation equipment	0.3	0.7	0.9	0.6	1.1	1.6	0.1	0.1	0.2	0.1	0.2	0.2
38	Instruments and related products.	0.1	0.1	0.7	2.0	0.6	1.2	0.9	0.4	0.7	0.2	0.1	0.5
	Nondurable goods industries	0.6	0.3	0.4	0.5	0.3	0.4	0.4	0.2	0.5	0.1	0.1	0.3
20	Food and kindred products	0.8	0.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.7
21	Tobacco products	0.0	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
22	Textile mill products	0.0	1.0	1.3	0.9	0.5	1.5	0.9	1.0	1.0	0.7	0.5	0.6
26	Paper and allied products	0.7	0.5	0.9	0.8	1.1	1.6	0.3	1.3	1.7	0.1	0.1	0.4
28	Chemicals and allied products	0.5	0.4	1.4	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.3	0.4
29	Petroleum and coal products	1.0	0.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.3	1.1	0.8
30	Rubber and plastics products	0.3	1.5	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.3	0.9
	Capital Goods Industries:												
	Nondefense	0.3	0.4	1.0	1.2	1.4	1.8	0.0	0.2	0.3	0.3	0.2	0.3
	Defense	0.4	0.8	0.9	4.5	1.8	4.1	0.3	0.1	0.3	0.0	0.1	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

3.158:(83)-12
M3-1 (84)-1

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
APR 17 1984
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

DECEMBER 1983
M3-1(83)-12
FOR WIRE TRANSMISSION 10:30 A.M. E.S.T. Wednesday, February 1, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in December increased $1.8 billion or 1.0 percent from November to $187.2 billion. New orders for all of 1983 totaled $2087.0 billion, 10.6 percent ahead of 1982. Shipments of manufactured goods in December increased $5.5 billion or 3.0 percent from November to $186.6 billion. Shipments during 1983 totaled $2054.9 billion, 7.6 percent ahead of 1982. The level of manufacturers' unfilled orders at the end of December was $333.1 billion, up $0.7 billion or 0.2 percent from November and $32.1 billion or 10.7 percent from December a year ago. Manufacturers' inventories at the end of 1983 were estimated at $260.7 billion, down $0.4 billion or 0.1 percent from November and $4.2 billion or 1.6 percent from the end of 1982. The inventory to shipments ratio took another sharp drop in December. After reaching a high in October 1982 of 1.76, steady declines in inventories through June of this year dropped the ratio to 1.48. The ratio stabilized for the next five months, but at the end of November dropped to 1.44 and now at the end of December to 1.40.

NEW ORDERS. The increase in manufacturers' new orders in December resulted mostly from an increase in the nondurable sector, where orders increased $1.6 billion or 1.8 percent to $90.6 billion. About 75 percent of the new orders data in the nondurable sector directly reflect shipments for the month, since most of these industries produce to stock rather than to order.

New orders for durable goods in December increased $0.2 billion or 0.2 percent to $96.7 billion, revising upward the earlier reported decline of 1.1 percent. Within the major industry categories increases in the electrical and nonelectrical machinery industries offset declines in the primary metals and transportation equipment industries. Electrical machinery orders increased $1.4 billion or 9.2 percent to $16.0 billion, while nonelectrical machinery orders increased $0.6 billion or 3.6 percent to $16.8 billion. New orders for primary metals in December declined $1.5 billion or 12.8 percent to $10.3 billion, while orders for transportation equiment declined $0.4 billion or 1.6 percent to $24.3 billion.

New orders for the capital goods industries as a group increased 0.6 percent, as an increase in nondefense related orders of $0.6 billion or 2.2 percent to $25.1 billion more than offset a decline in defense orders of $0.4 billion or 4.4 percent to $7.7 billion.

SHIPMENTS. The increase in manufacturers' shipments in December of 3.0 percent resulted from gains in nearly all major industries. Most of the durable goods increase of $3.7 billion or 0.4 percent to $96.0 billion resulted from increases in the transportation equipment and electrical and nonelectrical machinery categories. Total shipments for 1983 for all of the major durable goods industries showed increases over 1982, except for nonelectrical machinery where shipments were 0.3 percent below those for 1982.

Shipments of nondurable goods were up $1.7 billion or 2.0 percent in December to $90.6 billion with all industries except apparel and leather products increasing. Shipments for all of 1983 for the major nondurable goods industries also showed increases over 1982 except for the petroleum products industry which showed a 7.4 percent decline from 1982.

UNFILLED ORDERS. The increase in the orders backlog of manufacturers in December was caused by an increase in the defense capital goods backlog. Unfilled orders for defense capital goods in December increased $2.1 billion or 1.9 percent from November to $110.9 billion. Unfilled orders for nondefense capital goods declined in December $0.8 billion or 0.6 percent to $123.9 billion. A large decline was also reported in the primary metals backlog, which decreased $0.7 billion or 3.6 percent to $19.1 billion.

INVENTORIES. The decline in the book value of manufacturers' inventories in December of 0.1 percent was the first since the 0.3 percent decrease last July. A decline in the nondurable goods sector of $0.6 billion or 0.6 percent to $89.5 billion more than offset a small increase of $0.2 billion or 0.1 percent in the durable goods sector. Inventories of defense capital goods manufacturers increased $0.6 billion or 3.4 percent to $17.9 billion. Excluding the defense category durable goods inventories declined $0.4 billion or 0.3 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for January is scheduled for release on February 23, 1984 at 8:30 A.M. and the full report on March 2, 1984 at 10:30 A.M.

The estimates for December are generally subject to greater revisions than other months because reporting by companies is delayed by year end closing of records.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	1983[p]	1982
	All manufacturing industries	186,556	181,084	176,790	178,590	+3.0	+2.4	-1.0	180,124	180,271	183,314	186,460	2,052,765	1,910,119
	Manufacturing industries with unfilled orders	97,862	94,376	91,245	91,236	+3.7	+3.4	0.0	95,805	94,198	94,742	95,727	1,055,394	981,144
	Durable goods industries	95,969	92,246	88,228	88,970	+4.0	+4.6	-0.8	92,356	91,761	92,878	93,354	1,022,476	922,115
	With unfilled orders	77,962	74,915	72,046	72,572	+4.1	+4.0	-0.7	76,638	74,559	74,763	76,099	834,017	777,914
32	Stone, clay, and glass products	4,180	4,350	4,200	4,325	-3.9	+3.6	-2.9	3,723	4,296	4,530	4,687	49,047	44,005
322	Glass containers	357	386	398	410	-7.5	-3.0	-2.9	317	364	402	424	4,837	4,799
33	Primary metals	11,246	10,891	10,327	10,091	+3.3	+5.5	+2.3	10,489	10,395	10,515	10,363	115,829	107,031
331	Blast furnaces, steel mills	4,405	4,422	4,136	4,075	-0.4	+6.9	+1.5	4,264	4,236	4,157	4,104	46,378	47,320
333-9	Nonferrous and other primary metals	5,680	5,282	5,046	4,908	+7.5	+4.7	+2.8	5,203	4,981	5,147	5,143	57,360	49,452
34	Fabricated metal products	10,948	10,873	10,785	10,802	+0.7	+0.8	-0.2	10,225	10,638	11,338	11,218	121,670	113,967
341	Metal cans, barrels, and drums	938	965	949	962	-2.8	+1.7	-1.4	776	805	910	1,091	11,237	11,415
35	Machinery, except electrical	16,823	16,192	15,713	15,642	+3.9	+3.0	+0.5	17,789	15,764	15,748	16,241	179,512	180,612
351	Engines and turbines	1,094	1,148	1,068	1,070	-4.7	+7.5	-0.2	1,068	1,075	1,039	1,106	12,141	12,778
352	Farm machinery and equipment	1,170	1,137	1,002	932	+2.9	+13.5	+7.5	976	935	1,085	948	11,143	11,788
353	Construction, mining, and material handling equipment	2,931	2,758	2,540	2,544	+6.3	+8.6	-0.2	2,796	2,620	2,525	2,590	28,525	34,452
354	Metalworking machinery	659	734	733	741	-10.2	+0.1	-1.1	686	713	759	773	7,970	9,621
356	General industrial machinery	1,352	1,230	1,183	1,250	+9.9	+4.0	-5.4	1,378	1,186	1,249	1,272	14,613	15,553
357	Office and computing machines	4,109	3,904	4,013	4,065	+5.3	-2.7	-1.3	5,699	4,135	3,896	4,435	46,697	40,351
36	Electrical machinery	15,040	13,989	13,547	13,711	+7.5	+3.3	-1.2	14,822	14,147	14,150	14,486	157,001	140,550
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,158	1,895	1,847	1,997	+13.9	+2.6	-7.5	2,089	1,876	1,852	2,078	21,987	21,914
363	Household appliances	1,439	1,269	1,287	1,299	+13.4	-1.4	-0.9	1,312	1,218	1,359	1,411	15,127	12,078
365	Radio and TV	688	685	764	721	+0.4	-10.3	+6.0	704	800	893	865	8,571	7,788
366	Communication equipment	4,830	4,500	4,212	4,196	+7.3	+6.8	+0.4	4,960	4,412	4,236	4,289	49,087	43,968
367	Electronic components	3,421	3,243	3,074	3,147	+5.5	+5.5	-2.3	3,263	3,265	3,206	3,311	35,492	31,313
37	Transportation equipment	23,169	21,838	19,874	20,705	+6.1	+9.9	-4.0	21,711	22,433	21,880	21,537	240,396	195,370
371	Motor vehicles and parts	15,160	14,267	12,961	13,450	+6.3	+10.1	-3.6	13,143	14,855	14,984	14,011	151,754	112,177
372,6	Aircraft, missiles, and parts	6,206	6,114	5,428	5,693	+1.5	+12.6	-4.7	6,771	6,181	5,387	6,002	70,252	63,902
3731,95	Shipbuilding and military tank vehicles	970	810	859	890	+19.8	-5.7	-3.5	1,043	804	863	888	10,263	11,908
38	Instruments and related products	4,581	4,301	4,302	4,290	+6.5	0.0	+0.3	4,596	4,412	4,443	4,566	49,944	48,873
381-4	Scientific and engineering instruments	2,582	2,473	2,528	2,515	+4.4	-2.2	+0.5	2,636	2,461	2,561	2,656	29,127	28,041
386	Photographic goods	1,806	1,649	1,587	1,584	+9.5	+3.9	+0.2	1,793	1,768	1,673	1,693	18,437	18,559
24,25, 39	All other durable goods	9,982	9,812	9,480	9,404	+1.7	+3.5	+0.8	9,001	9,676	10,274	10,256	109,077	91,707
	Nondurable goods industries	90,587	88,838	88,562	89,620	+2.0	+0.3	-1.2	87,768	88,510	90,436	93,106	1,030,289	988,004
	With unfilled orders	19,900	19,461	19,199	18,664	+2.3	+1.4	+2.9	19,167	19,639	19,979	19,628	221,377	203,230
20	Food and kindred products	24,658	23,863	24,089	24,698	+3.3	-0.9	-2.5	24,618	24,266	24,919	26,148	287,866	277,324
201	Meat products	5,874	5,490	5,292	5,430	+7.0	+3.7	-2.5	5,968	5,578	5,615	5,636	66,913	66,158
208	Beverages	3,427	3,260	3,351	3,597	+5.1	-2.7	-6.8	3,084	3,299	3,532	3,625	42,207	40,259
207	Fats and oils	1,357	1,455	1,526	1,520	-6.7	-4.7	+0.4	1,393	1,507	1,530	1,552	16,495	15,434
203-6,9	All other foods	10,887	10,494	10,736	10,866	+3.7	-2.3	-1.2	11,116	10,724	11,090	11,974	124,215	117,490
21	Tobacco products	1,999	1,660	1,540	1,825	+20.4	+7.8	-15.6	2,063	1,680	1,597	1,817	18,165	14,455
22	Textile mill products	4,820	4,449	4,616	4,524	+8.3	-3.6	+2.0	4,486	4,474	4,807	4,830	52,209	47,217
26	Paper and allied products	7,813	7,638	7,453	7,324	+2.3	+2.5	+1.8	7,235	7,362	7,556	7,519	85,680	78,989
261-3,6	Pulp, paper etc.	3,287	3,186	3,110	3,169	+3.2	+2.4	-1.9	3,059	3,150	3,124	3,180	36,253	33,524
265	Paperboard containers	1,729	1,760	1,666	1,605	-1.8	+5.6	+3.8	1,561	1,697	1,754	1,669	19,120	18,354
264	All other paper products	2,797	2,692	2,677	2,550	+3.9	+0.6	+5.0	2,615	2,515	2,678	2,670	30,307	27,111
28	Chemicals and allied products	16,997	16,938	16,935	16,968	+0.3	0.0	-0.2	16,470	15,874	16,087	17,244	189,198	172,803
281,6	Industrial chemicals, except pigments	5,450	5,527	5,392	5,503	-1.4	+2.5	-2.0	5,417	5,217	5,096	5,464	59,863	55,756
283,4	Drugs, soaps, and toiletries	4,158	4,040	3,839	3,941	+2.9	+5.2	-2.6	4,179	3,903	3,912	4,627	48,752	48,566
29	Petroleum and coal products	16,229	16,063	16,274	16,877	+1.0	-1.3	-3.6	16,266	16,025	16,236	16,900	191,043	206,430
30	Rubber and plastics products	4,746	4,676	4,435	4,497	+1.5	+5.4	-1.4	4,263	4,436	4,715	4,655	51,935	50,163
23,27, 31	All other nondurable goods	13,325	13,551	13,220	12,907	-1.7	+2.5	+2.4	12,367	14,393	14,519	13,993	154,193	140,623
	Market categories:													
	Home goods and apparel	12,942	12,801	12,525	12,506	+1.1	+2.2	+0.2	11,127	13,386	14,045	14,013	145,256	130,888
	Consumer staples	33,606	32,106	31,996	32,796	+4.7	+0.3	-2.4	33,620	32,714	33,143	34,996	385,376	367,743
	Equipment and defense products, except automotive	28,075	26,592	25,140	25,754	+5.6	+5.8	-2.4	30,015	26,126	25,282	26,813	298,298	290,655
	Automotive equipment	17,378	16,176	14,862	15,365	+7.4	+8.8	-3.3	15,006	16,620	17,074	16,034	174,683	130,758
	Construction materials, supplies and intermediate products	13,827	13,997	13,780	13,927	-1.2	+1.6	-1.1	12,704	13,684	14,646	14,833	158,039	135,945
	Other materials, supplies, and intermediate products	80,728	79,412	78,487	78,242	+1.7	+1.2	+0.3	77,652	77,741	79,124	79,771	891,113	854,130
	Supplementary series:[2]													
	Capital goods industries	31,528	29,924	28,669	29,132	+5.4	+4.4	-1.6	33,607	29,881	28,836	30,388	338,264	327,792
	Nondefense	25,899	24,262	23,077	23,704	+6.7	+5.1	-2.6	27,608	24,204	23,236	24,734	273,591	271,379
	Defense	5,629	5,662	5,592	5,428	-0.6	+1.3	+3.0	5,999	5,677	5,600	5,654	64,673	56,413
	Household durable goods industries	5,969	5,782	5,644	5,607	+3.2	+2.4	+0.7	5,436	5,906	6,236	6,361	64,856	57,753

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	1983[p]	1982
	All manufacturing industries	187,245	185,473	181,802	180,961	+1.0	+2.0	+0.5	183,714	183,714	189,773	188,190	2,084,996	1,888,448
	Manufacturing industries with unfilled orders	98,551	98,765	96,257	93,607	-0.2	+2.6	+2.8	99,395	97,641	101,201	97,457	1,087,624	959,473
	Durable goods industries	96,693	96,513	93,366	90,996	+0.2	+3.4	+2.6	95,862	95,412	99,454	94,806	1,052,999	901,237
	With unfilled orders	78,686	79,182	77,184	74,598	-0.6	+2.6	+3.5	80,144	78,210	81,339	77,551	864,539	757,036
32	Stone, clay, and glass products	4,231	4,328	4,237	4,320	-2.2	+2.1	-1.9	3,723	4,287	4,520	4,656	49,383	43,411
33	Primary metals	10,279	11,787	10,906	11,014	-12.8	+8.1	-1.0	10,747	11,375	11,162	10,743	121,952	100,876
331	Blast furnaces, steel mills	3,707	4,659	4,725	4,944	-20.4	-1.4	-4.4	4,421	4,642	4,842	4,588	50,223	43,405
333-9	Nonferrous and other primary metals	5,357	5,965	5,018	4,857	-10.2	+18.9	+3.3	5,245	5,526	5,065	4,977	59,298	48,201
34	Fabricated metal products	10,672	10,836	10,518	10,654	-1.5	+3.0	-1.3	10,012	10,439	10,914	11,009	120,402	106,782
35	Machinery, except electrical	16,790	16,207	17,509	17,233	+3.6	-7.4	+1.6	18,447	15,908	17,582	17,351	182,406	162,913
351	Engines and turbines	1,181	1,304	1,468	864	-9.4	-11.2	+69.9	1,035	1,082	1,799	897	12,047	10,088
353	Construction, mining, and material handling equipment	2,827	2,790	2,589	2,615	+1.3	+7.8	-1.0	2,789	2,669	2,579	2,632	28,522	28,664
354	Metalworking machinery	572	776	799	734	-26.3	-2.9	+8.9	560	751	835	728	7,916	7,059
356	General industrial machinery	1,415	1,214	1,595	1,334	+16.6	-23.9	+19.6	1,401	1,132	1,653	1,283	14,609	13,941
357	Office and computing machines	4,185	3,588	4,574	5,532	+16.6	-21.6	-17.3	6,480	4,033	4,095	5,531	48,785	38,598
36	Electrical machinery	15,996	14,645	15,075	14,382	+9.2	-2.9	+4.8	15,375	14,567	15,467	14,836	166,226	147,073
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,004	1,816	1,843	2,120	+10.4	-1.5	-13.1	1,880	1,759	1,832	2,118	21,638	20,944
363	Household appliances	1,473	1,301	1,296	1,298	+13.2	+0.4	-0.2	1,356	1,214	1,304	1,381	15,301	12,111
365	Radio and TV	650	664	570	632	-2.1	+16.5	-9.8	682	760	568	698	8,445	7,760
366	Communication equipment	5,481	4,849	4,527	4,373	+13.0	+7.1	+3.5	5,445	4,676	4,779	4,605	52,682	51,405
367	Electronic components	3,796	3,643	4,417	3,637	+4.2	-17.5	+21.4	3,464	3,605	4,346	3,542	41,214	31,415
37	Transportation equipment	24,259	24,647	21,180	19,514	-1.6	+16.4	+8.5	24,229	24,976	25,148	21,669	251,754	200,931
372,6	Aircraft, missiles, and parts	7,649	7,477	6,824	5,551	+2.3	+9.6	+22.9	9,524	6,779	8,523	6,544	79,021	68,008
3731,95	Shipbuilding and military tank vehicles	175	1,942	314	-5	-91.0	+518.5	(n)	291	2,420	441	575	10,231	14,889
38	Instruments and related products	4,619	4,294	4,225	4,374	+7.6	+1.6	-3.4	4,654	4,340	4,335	4,567	50,624	48,678
24,25, 39	All other durable goods	9,847	9,769	9,716	9,505	+0.8	+0.5	+2.2	8,675	9,520	10,326	9,975	110,252	90,573
	Nondurable goods industries	90,552	88,960	88,436	89,965	+1.8	+0.6	-1.7	87,852	88,302	90,319	93,384	1,031,997	987,211
	With unfilled orders	19,865	19,583	19,073	19,009	+1.4	+2.7	+0.3	19,251	19,431	19,862	19,906	223,085	202,437
	Market categories:													
	Home goods and apparel	13,051	12,825	12,389	12,387	+1.8	+3.5	0.0	11,060	13,210	13,563	13,573	145,897	130,192
	Consumer staples	33,593	32,150	31,973	32,815	+4.5	+0.6	-2.6	33,598	32,706	33,085	35,055	385,313	367,750
	Equipment and defense products, except automotive	28,667	29,171	27,514	27,341	-1.7	+6.0	+0.6	32,545	28,581	29,295	28,939	310,535	288,228
	Automotive equipment	17,746	16,461	15,334	15,178	+7.8	+7.3	+1.0	15,467	16,919	17,644	15,904	177,135	129,645
	Construction materials, supplies and intermediate products	13,625	13,917	13,714	13,764	-2.1	+1.5	-0.4	12,372	13,563	14,422	14,627	157,436	131,667
	Other materials, supplies, and intermediate products	80,563	80,949	80,878	79,476	-0.5	+0.1	+1.8	78,672	78,735	81,764	80,092	908,680	840,966
	Supplementary series:[2]													
	Capital goods industries	32,842	32,643	31,528	30,159	+0.6	+3.5	+4.5	36,693	32,216	33,874	32,181	353,649	323,386
	Nondefense	25,125	24,575	26,003	25,213	+2.2	-5.5	+3.1	27,355	24,104	26,585	25,553	274,565	248,240
	Defense	7,717	8,068	5,525	4,946	-4.4	+46.0	+11.7	9,338	8,112	7,289	6,628	79,084	75,146
	Household durable goods industries	5,981	5,784	5,537	5,452	+3.4	+4.5	+1.6	5,286	5,722	5,781	5,896	65,342	57,162

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Dec. 1982
	All manufacturing industries..	333,120	332,431	328,041	323,032	+0.2	+1.3	+1.6	331,968	328,379	324,937	318,473	299,731
	Durable goods industries.....	322,180	321,453	317,185	312,048	+0.2	+1.3	+1.6	321,287	317,781	314,130	307,547	290,757
32	Stone, clay, and glass products...	2,095	2,044	2,066	2,029	+2.5	-1.1	+1.8	1,993	1,993	2,000	2,011	1,655
33	Primary metals.....	26,217	27,184	26,289	25,710	-3.6	+3.4	+2.3	26,416	26,158	25,178	24,530	20,290
331	Blast furnaces, steel mills.....	15,647	16,345	16,108	15,519	-4.3	+1.5	+3.8	15,913	15,756	15,351	14,666	12,069
333-9	Nonferrous and other primary metals.....	8,092	8,415	7,733	7,761	-3.8	+8.8	-0.4	8,003	7,961	7,416	7,497	6,063
34	Fabricated metal products.....	20,253	20,528	20,565	20,834	-1.3	-0.2	-1.3	19,973	20,187	20,386	20,810	21,240
35	Machinery, except electrical.....	58,540	58,573	58,556	56,759	-0.1	0.0	+3.2	58,435	57,774	57,629	55,794	55,529
351	Engines and turbines.....	14,995	14,908	14,752	14,353	+0.6	+1.1	+2.8	14,966	14,999	14,992	14,232	15,059
353	Construction, mining, and material handling equipment....	5,614	5,718	5,685	5,636	-1.8	+0.6	+0.9	5,631	5,638	5,589	5,534	5,631
354	Metalworking machinery.....	2,368	2,456	2,414	2,347	-3.6	+1.7	+2.9	2,343	2,468	2,430	2,354	2,396
356	General industrial machinery....	4,804	4,741	4,757	4,345	+1.3	-0.3	+9.5	4,689	4,665	4,719	4,315	4,692
357	Office and computing machines...	20,212	20,136	20,453	19,892	+0.4	-1.5	+2.8	20,232	19,451	19,553	19,354	18,143
36	Electrical machinery.....	70,007	69,049	68,392	66,863	+1.4	+1.0	+2.3	68,826	68,274	67,856	66,538	59,609
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,554	6,708	6,787	6,791	-2.3	-1.2	-0.1	6,411	6,620	6,738	6,758	6,762
363	Household appliances.....	554	520	487	478	+6.5	+6.8	+1.9	481	436	441	495	306
365	Radio and TV.....	278	317	338	532	-12.3	-6.2	-36.5	278	300	340	665	406
366	Communication equipment.....	42,513	41,861	41,513	41,197	+1.6	+0.8	+0.8	42,100	41,616	41,352	40,809	38,507
367	Electronic components.....	18,660	18,284	17,883	16,540	+2.1	+2.2	+8.1	18,137	17,937	17,597	16,457	12,418
37	Transportation equipment.....	132,032	130,941	128,132	126,827	+0.8	+2.2	+1.0	133,201	130,685	128,141	124,873	121,845
372,6	Aircraft, missiles, and parts...	101,261	99,817	98,455	97,060	+1.4	+1.4	+1.4	102,117	99,366	98,767	95,631	93,350
3731,95	Shipbuilding and military tank vehicles.....	22,485	23,280	22,148	22,692	-3.4	+5.1	-2.4	22,713	23,465	21,849	22,271	22,744
38	Instruments and related products..	7,764	7,726	7,733	7,812	+0.5	-0.1	-1.0	7,655	7,597	7,669	7,774	6,976
24,25, 39	All other durable goods.....	5,272	5,408	5,452	5,214	-2.5	-0.8	+4.6	4,788	5,113	5,271	5,217	3,429
	Nondurable goods industries.....	10,940	10,978	10,856	10,984	-0.3	+1.1	-1.2	10,681	10,598	10,807	10,926	8,974
	Market categories:												
	Home goods and apparel.....	4,148	4,039	4,016	4,153	+2.7	+0.6	-3.3	3,646	3,711	3,889	4,368	3,002
	Consumer staples.....	747	760	716	739	-1.7	+6.1	-3.1	701	723	731	790	765
	Equipment and defense products, except automotive.....	195,025	194,432	191,853	189,477	+0.3	+1.3	+1.3	195,279	192,749	190,294	186,279	183,038
	Automotive equipment.....	7,702	7,335	7,050	6,578	+5.0	+4.0	+7.2	7,803	7,342	7,043	6,473	5,351
	Construction materials, supplies and intermediate products.....	12,173	12,376	12,456	12,523	-1.6	-0.6	-0.5	11,846	12,179	12,299	12,524	12,447
	Other materials, supplies, and intermediate products.....	113,325	113,489	111,950	109,562	-0.1	+1.4	+2.2	112,693	111,675	110,681	108,039	95,128
	Supplementary series:[2]												
	Capital goods industries.....	234,768	233,452	230,732	227,872	+0.6	+1.2	+1.3	235,102	232,017	229,682	224,643	219,714
	Nondefense.....	123,857	124,630	124,314	121,388	-0.6	+0.3	+2.4	123,258	123,509	123,609	120,260	122,279
	Defense.....	110,911	108,822	106,418	106,484	+1.9	+2.3	-0.1	111,844	108,508	106,073	104,383	97,435
	Household durable goods industries.....	3,563	3,550	3,548	3,655	+0.4	+0.1	-2.9	3,084	3,232	3,417	3,869	2,595

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Dec. 1982
	All manufacturing industries..	260,667	261,018	260,816	260,021	-0.1	+0.1	+0.3	257,584	259,380	259,030	257,443	261,987
	Manufacturing industries with unfilled orders.....	177,816	177,845	177,666	177,162	0.0	+0.1	+0.3	174,859	175,853	175,812	175,489	179,269
	Durable goods industries.....	171,169	170,964	170,628	170,385	+0.1	+0.2	+0.1	168,428	169,291	169,084	168,843	172,615
	With unfilled orders.....	155,990	156,069	156,052	156,011	-0.1	0.0	0.0	153,621	154,709	154,800	154,709	158,978
32	Stone, clay, and glass products...	5,726	5,722	5,724	5,697	+0.1	0.0	+0.5	5,588	5,469	5,482	5,508	5,823
322	Glass containers.....	662	643	615	606	+3.0	+4.6	+1.5	636	631	610	597	629
33	Primary metals.....	19,117	19,836	19,785	19,913	-3.6	+0.3	-0.6	19,211	19,656	19,527	19,600	21,450
331	Blast furnaces, steel mills.....	9,028	9,494	9,463	9,468	-4.9	+0.3	-0.1	9,254	9,466	9,416	9,411	10,879
333-9	Nonferrous and other primary metals.....	8,856	9,141	9,119	9,233	-3.1	+0.2	-1.2	8,741	9,022	8,937	9,011	9,464
34	Fabricated metal products.....	17,682	17,641	17,347	17,566	+0.2	+1.7	-1.2	17,217	17,118	16,995	17,194	17,331
341	Metal cans, barrels, and drums..	2,131	1,947	1,752	1,797	+9.5	+11.1	-2.5	1,854	1,659	1,514	1,543	1,527
35	Machinery, except electrical.....	36,556	36,926	36,957	37,078	-1.0	-0.1	-0.3	36,078	36,697	36,647	36,750	39,659
351	Engines and turbines.....	2,027	2,044	2,115	2,103	-0.8	-3.4	+0.6	2,039	2,059	2,106	2,065	2,385
352	Farm machinery and equipment....	1,898	2,066	2,044	2,051	-8.1	+1.1	-0.3	1,848	1,936	1,915	1,977	2,089
353	Construction, mining, and material handling equipment....	6,954	7,175	7,299	7,427	-3.1	-1.7	-1.7	6,912	7,146	7,168	7,278	9,102
354	Metalworking machinery.....	2,269	2,232	2,241	2,263	+1.7	-0.4	-1.0	2,230	2,232	2,246	2,240	2,334
356	General industrial machinery....	3,558	3,652	3,641	3,682	-2.6	+0.3	-1.1	3,519	3,594	3,590	3,649	3,974
357	Office and computing machines...	9,978	9,801	9,789	9,800	+1.8	+0.1	-0.1	9,838	9,870	9,858	9,849	9,400
36	Electrical machinery.....	27,968	27,607	27,445	27,211	+1.3	+0.6	+0.9	27,361	27,236	27,239	26,991	26,136
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,968	4,055	4,090	4,040	-2.1	-0.9	+1.2	3,898	4,052	4,099	4,013	4,094
363	Household appliances.....	1,918	1,864	1,841	1,807	+2.9	+1.2	+1.9	1,850	1,750	1,757	1,715	1,704
365	Radio and TV.....	1,006	1,017	988	1,032	-1.1	+2.9	-4.3	964	984	971	1,022	1,034
366	Communication equipment.....	11,340	10,944	10,954	10,856	+3.6	-0.1	+0.9	11,143	10,920	10,925	10,782	9,910
367	Electronic components.....	5,605	5,610	5,503	5,467	-0.1	+1.9	+0.7	5,549	5,520	5,492	5,450	5,559
37	Transportation equipment.....	40,647	39,794	39,977	39,805	+2.1	-0.5	+0.4	40,022	40,108	40,134	39,772	39,908
371	Motor vehicles and parts.....	9,416	8,844	8,724	8,602	+6.5	+1.4	+1.4	9,270	9,108	8,933	8,754	8,176
372,6	Aircraft, missiles, and parts...	28,313	28,006	28,350	28,272	+1.1	-1.2	+0.3	27,810	27,989	28,290	28,113	28,511
3731,95	Shipbuilding and military tank vehicles.....	1,414	1,443	1,435	1,478	-2.0	+0.6	-2.9	1,377	1,485	1,461	1,483	1,567
38	Instruments and related products..	9,120	9,050	8,988	8,961	+0.8	+0.7	+0.3	8,830	8,879	8,838	8,895	9,010
381-4	Scientific and engineering instruments.....	6,441	6,473	6,380	6,402	-0.5	+1.5	-0.3	6,312	6,389	6,291	6,351	6,433
386	Photographic goods.....	2,123	2,077	2,097	2,045	+2.2	-1.0	+2.5	1,970	2,000	2,051	2,033	2,032
24,25, 39	All other durable goods.....	14,353	14,388	14,405	14,154	-0.2	-0.1	+1.8	14,121	14,128	14,222	14,133	13,298
	Nondurable goods industries.....	89,498	90,054	90,188	89,636	-0.6	-0.1	+0.6	89,156	90,089	89,946	88,600	89,372
	With unfilled orders.....	21,826	21,776	21,614	21,151	+0.2	+0.7	+2.2	21,238	21,144	21,012	20,780	20,291
20	Food and kindred products.....	20,757	20,775	20,859	21,119	-0.1	-0.4	-1.2	21,417	22,214	22,062	21,139	21,297
201	Meat products.....	2,040	2,019	1,968	1,920	+1.0	+2.6	+2.5	1,974	2,099	1,995	1,853	1,942
208	Beverages.....	3,253	3,246	3,258	3,300	+0.2	-0.4	-1.3	3,311	3,250	3,294	3,247	3,569
207	Fats and oils.....	1,722	1,756	2,050	2,245	-1.9	-14.3	-8.7	1,982	2,156	2,108	1,715	1,422
203-6,9	All other foods.....	12,004	11,966	11,868	11,993	+0.3	+0.8	-1.0	12,472	12,971	12,948	12,665	12,741
21	Tobacco products.....	4,261	4,461	4,507	4,608	-4.5	-1.0	-2.2	4,543	4,528	4,584	4,530	4,654
22	Textile mill products.....	6,913	7,007	7,013	6,869	-1.3	-0.1	+2.1	6,812	6,786	6,704	6,643	6,070
26	Paper and allied products.....	8,824	8,813	8,675	8,490	+0.1	+1.6	+2.2	8,663	8,643	8,488	8,287	8,455
261-3,6	Pulp, paper etc.....	3,255	3,300	3,271	3,217	-1.4	+0.9	+1.7	3,247	3,277	3,237	3,160	3,354
265	Paperboard containers.....	2,416	2,344	2,264	2,201	+3.1	+3.5	+2.9	2,350	2,260	2,194	2,163	2,243
264	All other paper products.....	3,153	3,169	3,140	3,072	-0.5	+0.9	+2.2	3,066	3,106	3,057	2,964	2,858
28	Chemicals and allied products.....	19,681	19,823	19,826	19,615	-0.7	0.0	+1.1	19,600	19,612	19,366	19,075	19,836
281,6	Industrial chemicals, except pigments.....	5,871	5,910	5,941	5,924	-0.7	-0.5	+0.3	5,842	5,845	5,793	5,746	6,080
283,4	Drugs, soaps, and toiletries....	6,259	6,333	6,404	6,331	-1.2	-1.1	+1.2	6,127	6,327	6,314	6,192	6,196
29	Petroleum and coal products.....	8,296	8,430	8,686	8,623	-1.6	-2.9	+0.7	8,158	8,617	8,748	8,778	9,276
30	Rubber and plastics products.....	5,657	5,746	5,724	5,670	-1.5	+0.4	+1.0	5,578	5,545	5,564	5,520	5,741
23,27, 31	All other nondurable goods.....	15,109	14,999	14,898	14,642	+0.7	+0.7	+1.7	14,385	14,144	14,430	14,628	14,043
	Market categories:												
	Home goods and apparel.....	20,867	20,825	20,804	20,544	+0.2	+0.1	+1.3	20,107	19,752	20,078	20,306	19,504
	Consumer staples.....	32,544	32,739	32,642	32,750	-0.6	+0.3	-0.3	32,975	33,725	33,733	33,095	33,728
	Equipment and defense products, except automotive.....	73,062	73,110	73,387	73,138	-0.1	-0.4	+0.3	72,061	72,816	72,883	72,499	75,489
	Automotive equipment.....	11,554	10,955	10,740	10,641	+5.5	+2.0	+0.9	11,446	11,190	10,882	10,731	10,378
	Construction materials, supplies and intermediate products.....	19,116	19,324	19,268	19,318	-1.1	+0.3	-0.3	18,816	18,769	18,862	18,985	18,624
	Other materials, supplies, and intermediate products.....	103,524	104,065	103,975	103,630	-0.5	+0.1	+0.3	102,179	103,128	102,592	101,827	104,264
	Supplementary series:[2]												
	Capital goods industries.....	83,139	82,764	83,226	83,091	+0.5	-0.6	+0.2	81,724	82,557	82,857	82,507	84,907
	Nondefense.....	65,205	65,427	65,944	65,643	-0.3	-0.8	+0.5	64,068	65,364	65,765	65,198	69,149
	Defense.....	17,934	17,337	17,282	17,448	+3.4	+0.3	-1.0	17,656	17,193	17,092	17,309	15,758
	Household durable goods industries.....	9,981	9,880	9,951	9,907	+1.0	-0.7	+0.4	9,690	9,532	9,689	9,770	9,606

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Percent change: Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Not seasonally adjusted[1]: End of month: Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Dec. 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	87,699	87,510	87,132	87,182	+0.2	+0.4	-0.1	88,106	86,994	86,628	85,959	88,174
	Durable goods industries.....	51,560	51,395	51,016	51,006	+0.3	+0.7	0.0	51,444	51,262	50,951	50,762	52,535
32	Stone, clay, and glass products...	1,852	1,896	1,903	1,924	-2.3	-0.4	-1.1	1,882	1,856	1,877	1,905	2,035
33	Primary metals.....	6,512	6,603	6,556	6,570	-1.4	+0.7	-0.2	6,761	6,689	6,591	6,565	8,139
34	Fabricated metal products.....	6,883	6,890	6,831	6,866	-0.1	+0.9	-0.5	6,820	6,712	6,726	6,815	6,746
35	Machinery, except electrical.....	10,392	10,533	10,325	10,568	-1.3	+2.0	-2.3	10,371	10,535	10,371	10,406	11,270
36	Electrical Machinery.....	7,615	7,663	7,565	7,490	-0.6	+1.3	+1.0	7,476	7,477	7,471	7,458	7,357
37	Transportation equipment.....	10,339	9,845	9,826	9,791	+5.0	+0.2	+0.4	10,186	9,982	9,812	9,721	9,142
38	Instruments and related products..	2,507	2,531	2,596	2,572	-0.9	-2.5	+0.9	2,492	2,498	2,560	2,563	2,811
24,25, 39	All other durable goods.....	5,460	5,434	5,414	5,225	+0.5	+0.4	+3.6	5,456	5,513	5,543	5,329	5,035
	Nondurable goods industries.....	36,139	36,115	36,116	36,176	+0.1	0.0	-0.2	36,662	35,732	35,677	35,197	35,639
20	Food and kindred products.....	8,081	7,932	8,150	8,419	+1.9	-2.7	-3.2	8,431	8,352	8,256	7,852	7,733
21	Tobacco products.....	3,595	3,795	3,976	4,063	-5.3	-4.6	-2.1	3,925	3,682	3,914	3,932	4,294
22	Textile mill products.....	2,082	2,186	2,230	2,191	-4.8	-2.0	+1.8	2,097	2,072	2,048	2,052	1,846
26	Paper and allied products.....	4,460	4,498	4,377	4,235	-0.8	+2.8	+3.4	4,483	4,408	4,341	4,239	4,361
28	Chemicals and allied products.....	7,479	7,651	7,501	7,475	-2.2	+2.0	+0.3	7,483	7,446	7,305	7,364	7,528
29	Petroleum and coal products.....	2,282	2,098	2,059	2,177	+8.8	+1.9	-5.4	2,186	2,094	2,145	2,143	2,340
30	Rubber and plastics products.....	2,181	2,134	2,092	2,012	+2.2	+2.0	+4.0	2,220	2,074	2,083	1,997	2,045
23,27, 31	All other nondurable goods.....	5,979	5,821	5,731	5,604	+2.7	+1.6	+2.3	5,837	5,604	5,585	5,618	5,708
	WORK IN PROCESS												
	All manufacturing industries..	91,948	91,446	91,565	90,747	+0.5	-0.1	+0.9	90,033	91,168	91,320	90,630	90,304
	Durable goods industries.....	77,503	76,633	76,857	76,270	+1.1	-0.3	+0.8	75,890	76,315	76,588	76,098	76,351
32	Stone, clay, and glass products...	795	793	779	788	+0.3	+1.8	-1.1	733	731	725	758	876
33	Primary metals.....	7,258	7,376	7,497	7,399	-1.6	-1.6	+1.3	7,085	7,215	7,363	7,357	7,473
34	Fabricated metal products.....	6,228	6,120	6,031	6,196	+1.8	+1.5	-2.7	5,928	5,926	5,938	6,083	5,803
35	Machinery, except electrical.....	15,035	15,084	15,254	15,095	-0.3	-1.1	+1.1	14,855	15,147	15,214	15,047	16,091
36	Electrical Machinery.....	14,933	14,556	14,533	14,209	+2.6	+0.2	+2.3	14,646	14,507	14,525	14,149	13,279
37	Transportation equipment.....	25,654	25,294	25,430	25,273	+1.4	-0.5	+0.6	25,223	25,467	25,598	25,396	25,878
38	Instruments and related products..	4,065	3,957	3,892	3,941	+2.7	+1.7	-1.2	3,919	3,912	3,838	3,910	3,857
24,25, 39	All other durable goods.....	3,535	3,453	3,441	3,369	+2.4	+0.3	+2.1	3,501	3,410	3,387	3,398	3,094
	Nondurable goods industries.....	14,445	14,813	14,708	14,477	-2.5	+0.7	+1.6	14,143	14,853	14,732	14,532	13,953
20	Food and kindred products.....	1,626	1,702	1,702	1,706	-4.5	0.0	-0.2	1,690	1,751	1,717	1,685	1,884
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,296	2,318	2,251	2,193	-0.9	+3.0	+2.6	2,262	2,287	2,232	2,177	1,964
26	Paper and allied products.....	1,104	1,083	1,082	1,040	+1.9	+0.1	+4.0	1,054	1,064	1,060	1,046	991
28	Chemicals and allied products.....	3,415	3,425	3,438	3,365	-0.3	-0.4	+2.2	3,359	3,384	3,417	3,339	3,180
29	Petroleum and coal products.....	1,521	1,618	1,809	1,792	-6.0	-10.6	+0.9	1,505	1,662	1,757	1,767	1,891
30	Rubber and plastics products.....	957	1,022	1,003	994	-6.4	+1.9	+0.9	946	1,023	998	997	1,039
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	81,020	82,062	82,119	82,092	-1.3	-0.1	0.0	79,445	81,218	81,082	80,854	83,509
	Durable goods industries.....	42,106	42,936	42,755	43,109	-1.9	+0.4	-0.8	41,094	41,714	41,545	41,983	43,729
32	Stone, clay, and glass products...	3,079	3,033	3,042	2,985	+1.5	-0.3	+1.9	2,973	2,882	2,880	2,845	2,912
33	Primary metals.....	5,347	5,857	5,732	5,944	-8.7	+2.2	-3.6	5,365	5,752	5,573	5,678	5,838
34	Fabricated metal products.....	4,571	4,631	4,485	4,504	-1.3	+3.3	-0.4	4,469	4,480	4,331	4,296	4,782
35	Machinery, except electrical.....	11,129	11,309	11,378	11,415	-1.6	-0.6	-0.3	10,852	11,015	11,062	11,297	12,298
36	Electrical Machinery.....	5,420	5,388	5,347	5,512	+0.6	+0.8	-3.0	5,239	5,252	5,243	5,384	5,500
37	Transportation equipment.....	4,654	4,655	4,721	4,741	0.0	-1.4	-0.4	4,613	4,659	4,724	4,655	4,888
38	Instruments and related products..	2,548	2,562	2,500	2,448	-0.5	+2.5	+2.1	2,419	2,469	2,440	2,422	2,342
24,25, 39	All other durable goods.....	5,358	5,501	5,550	5,560	-2.6	-0.9	-0.2	5,164	5,205	5,292	5,406	5,169
	Nondurable goods industries.....	38,914	39,126	39,364	38,983	-0.5	-0.6	+1.0	38,351	39,504	39,537	38,871	39,780
20	Food and kindred products.....	11,050	11,141	11,007	10,994	-0.8	+1.2	+0.1	11,296	12,111	12,089	11,602	11,680
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,535	2,503	2,532	2,485	+1.3	-1.1	+1.9	2,453	2,427	2,424	2,414	2,260
26	Paper and allied products.....	3,260	3,232	3,216	3,215	+0.9	+0.5	0.0	3,126	3,171	3,087	3,002	3,103
28	Chemicals and allied products.....	8,787	8,747	8,887	8,775	+0.5	-1.6	+1.3	8,758	8,782	8,644	8,372	9,128
29	Petroleum and coal products.....	4,493	4,714	4,818	4,654	-4.7	-2.2	+3.5	4,467	4,861	4,846	4,868	5,045
30	Rubber and plastics products.....	2,519	2,590	2,629	2,664	-2.7	-1.5	-1.3	2,412	2,448	2,483	2,526	2,657
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983	Dec. 1983[p]	Nov. 1983[r]	Oct. 1983	Sept. 1983
	All manufacturing industries	1.40	1.44	1.48	1.46	3.40	3.52	3.60	3.54
	Durable goods industries	1.78	1.85	1.93	1.92	4.13	4.29	4.40	4.30
32	Stone, clay, and glass products	1.37	1.32	1.36	1.32	0.55	0.52	0.54	0.52
33	Primary metals	1.70	1.82	1.92	1.97	2.33	2.50	2.55	2.55
34	Fabricated metal products	1.62	1.62	1.61	1.63	2.02	2.07	2.09	2.12
35	Machinery, except electrical	2.17	2.28	2.35	2.37	3.74	3.89	3.98	3.86
36	Electrical machinery	1.86	1.97	2.03	1.98	4.65	4.94	5.05	4.88
37	Transportation equipment	1.75	1.82	2.01	1.92	10.72	11.20	11.95	11.29
38	Instruments and related products	1.99	2.10	2.09	2.09	1.69	1.80	1.80	1.82
	Nondurable goods industries	0.99	1.01	1.02	1.00	0.55	0.56	0.57	0.59
20	Food and kindred products	0.84	0.87	0.87	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	2.13	2.69	2.93	2.52	(X)	(X)	(X)	(X)
22	Textile mill products	1.43	1.57	1.52	1.52	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.13	1.15	1.16	1.16	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.16	1.17	1.17	1.16	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.51	0.52	0.53	0.51	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.19	1.23	1.29	1.26	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Dec. 1982	All Decs. 1978–1982	Dec. 1982–Nov. 1983	Year ago Dec. 1982	All Decs. 1978–1982	Dec. 1982–Nov. 1983	Year ago Dec. 1982	All Decs. 1978–1982	Dec. 1982–Nov. 1983	Year ago Dec. 1982	All Decs. 1978–1982	Dec. 1982–Nov. 1983
	All manufacturing industries.	0.9	0.7	0.3	0.9	0.8	0.3	0.9	0.3	0.2	0.5	0.3	0.2
	Durable goods industries	1.0	1.0	0.4	3.0	1.5	0.7	1.1	0.3	0.2	0.4	0.2	0.1
32	Stone, clay, and glass products..	1.2	1.6	0.9	2.1	1.5	1.3	2.3	2.3	1.3	1.4	1.1	0.7
33	Primary metals	0.3	0.6	0.9	2.9	1.6	1.5	1.0	0.4	0.5	1.7	0.6	0.4
34	Fabricated metal products	0.6	1.1	1.1	0.7	1.1	1.8	0.0	0.3	0.4	0.9	0.8	0.3
35	Machinery, except electrical	0.6	1.2	1.0	12.5	3.1	2.9	3.0	0.9	0.4	0.0	0.3	0.3
36	Electrical machinery	1.6	1.9	0.5	1.7	1.4	1.3	0.7	0.4	0.2	0.7	0.7	0.2
37	Transportation equipment	3.2	2.6	0.9	1.3	2.5	1.6	0.2	0.3	0.2	0.4	0.8	0.3
38	Instruments and related products.	2.4	1.4	0.7	0.4	2.0	1.1	1.1	0.9	0.6	0.9	0.8	0.4
	Nondurable goods industries	0.9	0.4	0.4	1.0	0.4	0.3	1.1	0.6	0.5	0.8	0.5	0.3
20	Food and kindred products	1.3	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	1.6	0.9	0.7
21	Tobacco products	0.1	3.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	1.6	0.1
22	Textile mill products	5.0	1.9	1.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.4	0.6
26	Paper and allied products	1.0	1.2	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.4	0.5
28	Chemicals and allied products	2.3	2.4	1.4	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.8	0.5
29	Petroleum and coal products	0.6	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.2	0.7	0.7
30	Rubber and plastics products	3.3	3.5	1.1	(X)	(X)	(X)	(X)	(X)	(X)	1.7	1.0	0.9
	Capital Goods Industries:												
	Nondefense	3.4	1.7	1.1	2.1	1.7	1.8	0.9	0.5	0.3	0.6	0.9	0.2
	Defense	0.0	1.7	1.0	23.4	9.4	3.9	1.4	0.6	0.3	2.1	1.0	0.6

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

3.158: (84-1)
M3-1 (~~83-12~~)

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
APR 1 1984
DEPOSITORY

JANUARY 1984

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(84)-1
For Wire Transmission 10:00 A.M. E.S.T. Friday, March 2, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in January increased $2.2 billion or 1.2 percent from December to $190.7 billion. New orders in the durable goods sector were up $2.7 billion or 2.7 percent, more than offsetting the $0.5 billion or 0.5 percent decline in the nondurable goods sector. New orders for durable goods were originally reported up 1.1 percent. Shipments of manufactured goods in January declined $1.2 billion or 0.6 percent to $185.5 billion, reflecting declines in both the durable and nondurable goods sectors.

The level of unfilled orders held by manufacturers at the end of January was $339.5 billion, up $5.2 billion or 1.6 percent from December. Increases of more than 1 percent were widespread throughout the industries. The book value of manufacturers' inventories at the end of January was $260.9 billion, showing virtually no change from December. Inventories have remained around the $260 billion level since the end of 1982 when they were estimated at $265 billion. During that time the inventory to shipments ratio dropped from 1.71 in December 1982 to 1.40 in December 1983, but rose slightly in January to 1.41.

NEW ORDERS. The increase in manufacturers' new orders in January resulted mostly from a large increase in the primary metals industry. Steel manufacturers showed an order increase of $2.1 billion or 57 percent to $5.8 billion, following a 20 percent decline in December. Smaller increases were reported in the fabricated metals, nonelectrical machinery and transportation equipment industries.

New orders for capital goods in January declined $1.7 billion or 5.1 percent to $32.0 billion. Orders for defense capital goods declined $2.3 billion or 26 percent to $6.6 billion following two months in which new orders were valued between $8 and $9 billion. New orders for nondefense capital goods increased $0.6 billion or 2.3 percent to $25.4 billion. New orders for nondefense capital goods have averaged about $25 billion per month since last September.

SHIPMENTS. The decline in shipments of manufactured goods in January in the durable goods sector of $0.4 billion or 0.4 percent to $95.8 billion resulted from offsetting movements in specific industries. Shipments of primary metals declined $0.9 billion or 7.6 percent to $10.7 billion, the first decrease in the series in nearly a year. Shipments of nonelectrical machinery declined $0.7 billion or 4.0 percent to $16.2 billion. Shipments of transportation equipment were up $0.9 billion or 4.1 percent to $24.2 billion, with the motor vehicles and parts industry increasing $1.8 billion or 11.6 percent to $17.0 billion. Shipments by this industry have gone up over 30 percent during the last 3 months. Aircraft and shipbuilding both showed declines in January.

The decline in shipments of nondurable goods in January resulted mostly from large decreases in the petroleum product and tobacco industries. Shipments of petroleum products dropped $1.3 billion or 8.1 percent to $15.0 billion. The value of petroleum product shipments peaked in February 1981 at $19.0 billion before declining to s low last February of $14.0 billion. During the rest of 1983 shipments averaged about $16 billion per month. Shipments in the tobacco industry declined $0.8 billion or 37 percent to $1.3 billion in January following a 23 percent increase last month.

UNFILLED ORDERS. The increase in unfilled orders at the end of January of $5.2 billion reflected increases in the primary metals industry of $2.0 billion, the transportation industry of $1.6 billion, the electrical machinery industry of $0.8 billion and the nonelectrical machinery industry of $0.6 billion. Unfilled orders for the capital goods industries as a group increased $1.9 billion or 0.8 percent to $237.5 billion, with the defense and nondefense categories each increasing 0.8 percent.

INVENTORIES. The value of manufacturers' inventories has remained virtually unchanged in nearly a year. A sustained reduction in inventories occurred between November 1981 and March 1983 declining from $284.3 billion to $257.3 billion. Since then the value has averaged about $260 billion. Finished goods inventories which in November 1981 were estimated at $90 billion have since declined to the January 1984 level of $80.3 billion. Raw material inventories declined from $96.1 billion in November 1981 to a low last March of $84.8 billion; since then raw materials inventories have increased to $89.3 billion.

SCHEDULED RELEASE DATES. The advance report on durable goods for February is scheduled for release on March 22, 1984 at 8:30 A.M. and the full report on March 30, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	1984[p]	1983
	All manufacturing industries	185,498	186,676	181,084	176,790	-0.6	+3.1	+2.4	171,781	180,260	180,271	183,314	171,781	146,613
	Manufacturing industries with unfilled orders	96,530	97,916	94,376	91,245	-1.4	+3.8	+3.4	88,246	95,876	94,198	94,742	88,246	74,244
	Durable goods industries	95,756	96,152	92,246	88,228	-0.4	+4.2	+4.6	86,469	92,543	91,761	92,878	86,469	69,982
	With unfilled orders	76,485	78,017	74,915	72,046	-2.0	+4.1	+4.0	69,407	76,706	74,559	74,763	69,407	57,824
32	Stone, clay, and glass products	4,446	4,202	4,350	4,200	+5.8	-3.4	+3.6	3,721	3,743	4,296	4,530	3,721	3,368
322	Glass containers	373	378	386	398	-1.3	-2.1	-3.0	338	335	364	402	338	377
33	Primary metals	10,679	11,563	10,891	10,327	-7.6	+6.2	+5.5	10,446	10,782	10,395	10,515	10,446	8,066
331	Blast furnaces, steel mills	4,167	4,470	4,422	4,136	-6.8	+1.1	+6.9	4,129	4,327	4,236	4,157	4,129	3,220
333-9	Nonferrous and other primary metals	5,247	5,915	5,282	5,046	-11.3	+12.0	+4.7	5,121	5,418	4,981	5,147	5,121	4,080
34	Fabricated metal products	10,768	10,852	10,873	10,785	-0.8	-0.2	+0.8	9,772	10,120	10,638	11,338	9,772	8,469
341	Metal cans, barrels, and drums	895	936	965	949	-4.4	-3.0	+1.7	767	774	805	910	767	785
35	Machinery, except electrical	16,169	16,845	16,192	15,713	-4.0	+4.0	+3.0	14,389	17,823	15,764	15,748	14,389	12,186
351	Engines and turbines	1,116	1,090	1,148	1,068	+2.4	-5.1	+7.5	1,082	1,063	1,075	1,039	1,082	876
352	Farm machinery and equipment	958	1,179	1,137	1,002	-18.7	+3.7	+13.5	905	984	935	1,085	905	830
353	Construction, mining, and material handling equipment	2,475	2,925	2,758	2,540	-15.4	+6.1	+8.6	2,349	2,790	2,620	2,525	2,349	1,951
354	Metalworking machinery	785	702	734	733	+11.8	-4.4	+0.1	693	731	713	759	693	638
356	General industrial machinery	1,197	1,301	1,230	1,183	-8.0	+5.8	+4.0	1,067	1,326	1,186	1,249	1,067	1,124
357	Office and computing machines	4,145	4,149	3,904	4,013	-0.1	+6.3	-2.7	3,188	5,755	4,135	3,896	3,188	2,611
36	Electrical machinery	14,824	14,617	13,989	13,547	+1.4	+4.5	+3.3	13,663	14,437	14,147	14,150	13,663	11,042
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,895	2,056	1,895	1,847	-7.8	+8.5	+2.6	1,785	1,989	1,876	1,852	1,785	1,647
363	Household appliances	1,486	1,221	1,269	1,287	+21.7	-3.8	-1.4	1,278	1,113	1,218	1,359	1,278	1,085
365	Radio and TV	910	750	685	764	+21.3	+9.5	-10.3	747	767	800	893	747	571
366	Communication equipment	4,603	4,910	4,500	4,212	-6.3	+9.1	+6.8	4,201	5,046	4,412	4,236	4,201	3,406
367	Electronic components	3,290	3,218	3,243	3,074	+2.2	-0.8	+5.5	3,146	3,070	3,265	3,206	3,146	2,494
37	Transportation equipment	24,240	23,296	21,838	19,874	+4.1	+6.7	+9.9	21,873	21,843	22,433	21,880	21,873	16,123
371	Motor vehicles and parts	16,985	15,222	14,267	12,961	+11.6	+6.7	+10.1	15,524	13,195	14,855	14,984	15,524	9,826
372,6	Aircraft, missiles, and parts	5,661	6,312	6,114	5,428	-10.3	+3.2	+12.6	4,904	6,871	6,181	5,387	4,904	4,979
3731,95	Shipbuilding and military tank vehicles	806	1,009	810	859	-20.1	+24.6	-5.7	723	1,091	804	863	723	754
38	Instruments and related products	4,598	4,655	4,301	4,302	-1.2	+8.2	0.0	4,120	4,670	4,412	4,443	4,120	3,673
381-4	Scientific and engineering instruments	2,688	2,637	2,473	2,528	+1.9	+6.6	-2.2	2,519	2,693	2,461	2,561	2,519	2,217
386	Photographic goods	1,715	1,817	1,649	1,587	-5.6	+10.2	+3.9	1,435	1,804	1,768	1,673	1,435	1,292
24,25, 39	All other durable goods	10,032	10,122	9,812	9,480	-0.9	+3.2	+3.5	8,485	9,125	9,676	10,274	8,485	7,055
	Nondurable goods industries	89,742	90,524	88,838	88,562	-0.9	+1.9	+0.3	85,312	87,717	88,510	90,436	85,312	76,631
	With unfilled orders	20,045	19,899	19,461	19,199	+0.7	+2.3	+1.4	18,839	19,170	19,639	19,979	18,839	16,420
20	Food and kindred products	25,158	24,606	23,863	24,089	+2.2	+3.1	-0.9	23,395	24,562	24,266	24,919	23,395	21,404
201	Meat products	5,903	5,753	5,490	5,292	+2.6	+4.8	+3.7	5,744	5,845	5,578	5,615	5,744	5,330
208	Beverages	3,573	3,451	3,260	3,351	+3.5	+5.9	-2.7	2,994	3,106	3,299	3,532	2,994	2,831
207	Fats and oils	1,491	1,359	1,455	1,526	+9.7	-6.6	-4.7	1,479	1,395	1,507	1,530	1,479	1,368
203-6,9	All other foods	10,996	10,935	10,494	10,736	+0.6	+4.2	-2.3	10,149	11,164	10,724	11,090	10,149	8,988
21	Tobacco products	1,293	2,044	1,660	1,540	-36.7	+23.1	+7.8	1,227	2,109	1,680	1,597	1,227	1,046
22	Textile mill products	4,773	4,869	4,449	4,616	-2.0	+9.4	-3.6	4,302	4,534	4,474	4,807	4,302	3,445
26	Paper and allied products	7,862	7,801	7,638	7,453	+0.8	+2.1	+2.5	7,561	7,226	7,362	7,556	7,561	6,506
261-3,6	Pulp, paper	3,307	3,315	3,186	3,110	-0.2	+4.0	+2.4	3,120	3,086	3,150	3,124	3,120	2,699
265	Paperboard containers	1,758	1,703	1,760	1,666	+3.2	-3.2	+5.6	1,654	1,538	1,697	1,754	1,654	1,470
264	All other paper products	2,797	2,783	2,692	2,677	+0.5	+3.4	+0.6	2,787	2,602	2,515	2,678	2,787	2,337
28	Chemicals and allied products	17,356	17,023	16,938	16,935	+2.0	+0.5	0.0	16,868	16,492	15,874	16,087	16,868	13,851
281,6	Industrial chemicals, except pigments	5,699	5,431	5,527	5,392	+4.9	-1.7	+2.5	5,505	5,399	5,217	5,096	5,505	4,173
283,4	Drugs, soaps, and toiletries	4,245	4,133	4,040	3,839	+2.7	+2.3	+5.2	3,999	4,154	3,903	3,912	3,999	3,901
29	Petroleum and coal products	14,974	16,296	16,063	16,274	-8.1	+1.5	-1.3	15,344	16,323	16,025	16,236	15,344	15,241
30	Rubber and plastics products	4,449	4,701	4,676	4,435	-5.4	+0.5	+5.4	4,148	4,221	4,436	4,715	4,148	3,901
23,27, 31	All other nondurable goods	13,877	13,184	13,551	13,220	+5.3	-2.7	+2.5	12,467	12,250	14,393	14,519	12,467	11,237
	Market categories:													
	Home goods and apparel	13,402	12,631	12,801	12,525	+6.1	-1.3	+2.2	11,435	10,860	13,386	14,045	11,435	9,643
	Consumer staples	33,389	33,558	32,106	31,996	-0.5	+4.5	+0.3	30,887	33,569	32,714	33,143	30,887	28,498
	Equipment and defense products, except automotive	26,302	28,126	26,592	25,140	-6.5	+5.8	+5.8	23,271	30,081	26,126	25,282	23,271	20,667
	Automotive equipment	19,151	17,405	16,176	14,862	+10.0	+7.6	+8.8	17,381	15,032	16,620	17,074	17,381	11,335
	Construction materials, supplies and intermediate products	13,948	13,901	13,997	13,780	+0.3	-0.7	+1.6	11,695	12,746	13,684	14,646	11,695	10,464
	Other materials, supplies, and intermediate products	79,306	81,055	79,412	78,487	-2.2	+2.1	+1.2	77,112	77,972	77,741	79,124	77,112	66,006
	Supplementary series:[2]													
	Capital goods industries	30,047	31,595	29,924	28,669	-4.9	+5.6	+4.4	26,823	33,698	29,881	28,836	26,823	23,414
	Nondefense	24,385	25,840	24,262	23,077	-5.6	+6.5	+5.1	21,787	27,561	24,204	23,236	21,787	18,840
	Defense	5,662	5,755	5,662	5,592	-1.6	+1.6	+1.3	5,036	6,137	5,677	5,600	5,036	4,574
	Household durable goods industries	6,154	5,810	5,782	5,644	+5.9	+0.5	+2.4	5,223	5,295	5,906	6,236	5,223	4,242

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	1984[p]	1983
	All manufacturing industries	190,719	188,506	185,473	181,802	+1.2	+1.6	+2.0	180,528	184,984	183,714	189,773	180,528	154,561
	Manufacturing industries with unfilled orders	101,752	99,747	98,765	96,257	+2.0	+1.0	+2.6	96,993	100,600	97,641	101,201	96,993	82,192
	Durable goods industries	100,854	98,157	96,513	93,366	+2.7	+1.7	+3.4	94,857	97,319	95,412	99,454	94,857	77,665
	With unfilled orders	81,584	80,023	79,182	77,184	+2.0	+1.1	+2.6	77,795	81,482	78,210	81,339	77,795	65,507
32	Stone, clay, and glass products	4,490	4,202	4,328	4,237	+6.9	-2.9	+2.1	3,852	3,693	4,287	4,520	3,852	3,417
33	Primary metals	12,698	10,669	11,787	10,906	+19.0	-9.5	+8.1	12,835	11,112	11,375	11,162	12,835	8,819
331	Blast furnaces, steel mills	5,847	3,730	4,659	4,725	+56.8	-19.9	-1.4	5,838	4,441	4,642	4,842	5,838	3,526
333-9	Nonferrous and other primary metals	5,427	5,662	5,965	5,018	-4.2	-5.1	+18.9	5,617	5,529	5,526	5,065	5,617	4,483
34	Fabricated metal products	10,901	10,619	10,836	10,518	+2.7	-2.0	+3.0	10,055	9,948	10,439	10,914	10,055	8,487
35	Machinery, except electrical	16,788	16,534	16,207	17,509	+1.5	+2.0	-7.4	15,841	18,207	15,908	17,582	15,841	12,001
351	Engines and turbines	854	1,018	1,304	1,468	-16.1	-21.9	-11.2	948	872	1,082	1,799	948	784
353	Construction, mining, and material handling equipment	2,557	2,816	2,790	2,589	-9.2	+0.9	+7.8	2,414	2,779	2,669	2,579	2,414	1,852
354	Metalworking machinery	801	646	776	799	+24.0	-16.8	-2.9	742	636	751	835	742	498
356	General industrial machinery	1,158	1,321	1,214	1,595	-12.3	+8.8	-23.9	1,171	1,308	1,132	1,653	1,171	1,079
357	Office and computing machines	4,636	4,139	3,588	4,574	+12.0	+15.4	-21.6	3,947	6,450	4,033	4,095	3,947	2,795
36	Electrical machinery	15,672	15,920	14,645	15,075	-1.6	+8.7	-2.9	15,452	15,332	14,567	15,467	15,452	12,114
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,846	1,727	1,816	1,843	+6.9	-4.9	-1.5	1,832	1,609	1,759	1,832	1,832	1,525
363	Household appliances	1,610	1,233	1,301	1,296	+30.6	-5.2	+0.4	1,448	1,138	1,214	1,304	1,448	1,152
365	Radio and TV	847	830	664	570	+2.0	+25.0	+16.5	662	864	760	568	662	547
366	Communication equipment	4,655	5,655	4,849	4,527	-17.7	+16.6	+7.1	4,884	5,622	4,676	4,779	4,884	4,044
367	Electronic components	4,064	3,936	3,643	4,417	+3.3	+8.0	-17.5	4,115	3,604	3,605	4,346	4,115	2,986
37	Transportation equipment	25,869	25,540	24,647	21,180	+1.3	+3.6	+16.4	24,041	25,517	24,976	25,148	24,041	21,830
372,6	Aircraft, missiles, and parts	6,836	8,924	7,477	6,824	-23.4	+19.4	+9.6	6,342	10,794	6,779	8,523	6,342	9,161
3731,95	Shipbuilding and military tank vehicles	864	212	1,942	314	+307.5	-89.1	+518.5	880	338	2,420	441	880	1,997
38	Instruments and related products	4,695	4,694	4,294	4,225	0.0	+9.3	+1.6	4,297	4,727	4,340	4,335	4,297	3,805
24,25, 39	All other durable goods	9,741	9,979	9,769	9,716	-2.4	+2.1	+0.5	8,484	8,783	9,520	10,326	8,484	7,192
	Nondurable goods industries	89,865	90,349	88,960	88,436	-0.5	+1.6	+0.6	85,671	87,665	88,302	90,319	85,671	76,896
	With unfilled orders	20,168	19,724	19,583	19,073	+2.3	+0.7	+2.7	19,198	19,118	19,431	19,862	19,198	16,685
	Market categories:													
	Home goods and apparel	13,389	12,815	12,825	12,389	+4.5	-0.1	+3.5	11,583	10,861	13,210	13,563	11,583	9,860
	Consumer staples	33,380	33,543	32,150	31,973	-0.5	+4.3	+0.6	30,985	33,545	32,706	33,085	30,985	28,592
	Equipment and defense products, except automotive	27,793	28,836	29,171	27,514	-3.6	-1.1	+6.0	26,970	32,732	28,581	29,295	26,970	25,631
	Automotive equipment	19,444	17,758	16,461	15,334	+9.5	+7.9	+7.3	17,829	15,478	16,919	17,644	17,829	11,631
	Construction materials, supplies and intermediate products	13,889	13,682	13,917	13,714	+1.5	-1.7	+1.5	11,796	12,398	13,563	14,422	11,796	10,541
	Other materials, supplies, and intermediate products	82,824	81,872	80,949	80,878	+1.2	+1.1	+0.1	81,365	79,970	78,735	81,764	81,365	68,306
	Supplementary series:[2]													
	Capital goods industries	31,977	33,692	32,643	31,528	-5.1	+3.2	+3.5	30,709	37,575	32,216	33,874	30,709	29,179
	Nondefense	25,421	24,852	24,575	26,003	+2.3	+1.1	-5.5	24,405	27,101	24,104	26,585	24,405	19,726
	Defense	6,556	8,840	8,068	5,525	-25.8	+9.6	+46.0	6,304	10,474	8,112	7,289	6,304	9,453
	Household durable goods industries	6,164	5,962	5,784	5,537	+3.4	+3.1	+4.5	5,408	5,276	5,722	5,781	5,408	4,435

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Dec.–Jan.[p]	Nov.–Dec.[r]	Oct.–Nov.	Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Jan. 1983
	All manufacturing industries..	339,485	334,263	332,431	328,041	+1.6	+0.6	+1.3	341,847	333,100	328,379	324,937	307,683
	Durable goods industries.....	328,562	323,463	321,453	317,185	+1.6	+0.6	+1.3	330,941	322,553	317,781	314,130	298,447
32	Stone, clay, and glass products...	2,088	2,045	2,044	2,066	+2.1	0.0	-1.1	2,074	1,944	1,993	2,000	1,704
33	Primary metals.....	28,309	26,290	27,184	26,289	+7.7	-3.3	+3.4	28,876	26,488	26,158	25,178	21,043
331	Blast furnaces, steel mills.....	17,285	15,605	16,345	16,108	+10.8	-4.5	+1.5	17,579	15,870	15,756	15,351	12,375
333-9	Nonferrous and other primary metals.....	8,342	8,162	8,415	7,733	+2.2	-3.0	+8.8	8,567	8,072	7,961	7,416	6,466
34	Fabricated metal products.....	20,429	20,295	20,528	20,565	+0.7	-1.1	-0.2	20,296	20,016	20,187	20,386	21,260
35	Machinery, except electrical.....	58,882	58,266	58,573	58,556	+1.1	-0.5	0.0	59,614	58,159	57,774	57,629	55,345
351	Engines and turbines.....	14,575	14,837	14,908	14,752	-1.8	-0.5	+1.1	14,676	14,809	14,999	14,992	14,967
353	Construction, mining, and material handling equipment....	5,692	5,610	5,718	5,685	+1.5	-1.9	+0.6	5,692	5,627	5,638	5,589	5,533
354	Metalworking machinery.....	2,415	2,400	2,456	2,414	+0.6	-2.3	+1.7	2,423	2,374	2,468	2,430	2,256
356	General industrial machinery....	4,723	4,761	4,741	4,757	-0.8	+0.4	-0.3	4,751	4,647	4,665	4,719	4,647
357	Office and computing machines...	20,616	20,126	20,136	20,453	+2.4	0.0	-1.5	20,905	20,146	19,451	19,553	18,327
36	Electrical machinery.....	71,202	70,353	69,049	68,392	+1.2	+1.9	+1.0	70,958	69,166	68,274	67,856	60,681
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,330	6,380	6,708	6,787	-0.8	-4.9	-1.2	6,288	6,240	6,620	6,738	6,639
363	Household appliances.....	656	531	520	487	+23.5	+2.1	+6.8	632	461	436	441	374
365	Radio and TV.....	334	396	317	338	-15.7	+24.9	-6.2	311	396	300	340	382
366	Communication equipment.....	42,660	42,608	41,861	41,513	+0.1	+1.8	+0.8	42,875	42,192	41,616	41,352	39,145
367	Electronic components.....	19,776	19,002	18,284	17,883	+4.1	+3.9	+2.2	19,440	18,470	17,937	17,597	12,910
37	Transportation equipment.....	134,816	133,185	130,941	128,132	+1.2	+1.7	+2.2	136,523	134,356	130,685	128,141	127,555
372,6	Aircraft, missiles, and parts...	103,606	102,429	99,817	98,455	+1.1	+2.6	+1.4	104,725	103,286	99,366	98,767	97,533
3731,95	Shipbuilding and military tank vehicles.....	22,540	22,482	23,280	22,148	+0.3	-3.4	+5.1	22,867	22,712	23,465	21,849	23,988
38	Instruments and related products..	7,861	7,764	7,726	7,733	+1.2	+0.5	-0.1	7,831	7,654	7,597	7,669	7,108
24,25, 39	All other durable goods.....	4,975	5,265	5,408	5,452	-5.5	-2.6	-0.8	4,769	4,770	5,113	5,271	3,751
	Nondurable goods industries.....	10,923	10,800	10,978	10,856	+1.1	-1.6	+1.1	10,906	10,547	10,598	10,807	9,236
	Market categories:												
	Home goods and apparel.....	4,210	4,222	4,039	4,016	-0.3	+4.5	+0.6	3,860	3,712	3,711	3,889	3,220
	Consumer staples.....	736	745	760	716	-1.2	-2.0	+6.1	798	699	723	731	859
	Equipment and defense products, except automotive.....	196,637	195,145	194,432	191,853	+0.8	+0.4	+1.3	199,098	195,400	192,749	190,294	188,005
	Automotive equipment.....	7,981	7,688	7,335	7,050	+3.8	+4.8	+4.0	8,236	7,788	7,342	7,043	5,647
	Construction materials, supplies and intermediate products.....	12,098	12,157	12,376	12,456	-0.5	-1.8	-0.6	11,931	11,831	12,179	12,299	12,525
	Other materials, supplies, and intermediate products.....	117,823	114,306	113,489	111,950	+3.1	+0.7	+1.4	117,924	113,670	111,675	110,681	97,427
	Supplementary series:[2]												
	Capital goods industries.....	237,484	235,555	233,452	230,732	+0.8	+0.9	+1.2	239,779	235,892	232,017	229,682	225,482
	Nondefense.....	124,681	123,647	124,630	124,314	+0.8	-0.8	+0.3	125,670	123,049	123,509	123,609	123,168
	Defense.....	112,803	111,908	108,822	106,418	+0.8	+2.8	+2.3	114,109	112,843	108,508	106,073	102,314
	Household durable goods industries.....	3,713	3,701	3,550	3,548	+0.3	+4.3	+0.1	3,397	3,212	3,232	3,417	2,791

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Jan. 1983
	All manufacturing industries..	260,917	260,832	261,018	260,816	0.0	-0.1	+0.1	261,185	257,752	259,380	259,030	262,428
	Manufacturing industries with unfilled orders.....	177,846	178,001	177,845	177,666	-0.1	+0.1	+0.1	176,947	175,049	175,853	175,812	178,644
	Durable goods industries.....	171,268	171,470	170,964	170,628	-0.1	+0.3	+0.2	170,949	168,731	169,291	169,084	172,243
	With unfilled orders.....	155,887	156,296	156,069	156,052	-0.3	+0.1	0.0	155,421	153,928	154,709	154,800	158,163
32	Stone, clay, and glass products...	5,630	5,723	5,722	5,724	-1.6	0.0	0.0	5,626	5,584	5,469	5,482	5,722
322	Glass containers.....	645	651	643	615	-0.9	+1.2	+4.6	625	625	631	610	631
33	Primary metals.....	18,819	19,092	19,836	19,785	-1.4	-3.8	+0.3	19,164	19,186	19,656	19,527	21,062
331	Blast furnaces, steel mills.....	8,765	9,031	9,494	9,463	-2.9	-4.9	+0.3	9,010	9,257	9,466	9,416	10,343
333-9	Nonferrous and other primary metals.....	8,835	8,840	9,141	9,119	-0.1	-3.3	+0.2	8,933	8,725	9,022	8,937	9,605
34	Fabricated metal products.....	17,601	17,763	17,641	17,347	-0.9	+0.7	+1.7	17,582	17,297	17,118	16,995	17,428
341	Metal cans, barrels, and drums..	2,095	2,130	1,947	1,752	-1.6	+9.4	+11.1	2,120	1,853	1,659	1,514	1,869
35	Machinery, except electrical.....	36,525	36,614	36,926	36,957	-0.2	-0.8	-0.1	36,503	36,136	36,697	36,647	39,520
351	Engines and turbines.....	2,037	2,011	2,044	2,115	+1.3	-1.6	-3.4	2,052	2,023	2,059	2,106	2,358
352	Farm machinery and equipment....	1,931	1,909	2,066	2,044	+1.2	-7.6	+1.1	1,949	1,860	1,936	1,915	2,010
353	Construction, mining, and material handling equipment....	6,934	6,978	7,175	7,299	-0.6	-2.7	-1.7	6,962	6,937	7,146	7,168	8,961
354	Metalworking machinery.....	2,267	2,256	2,232	2,241	+0.5	+1.1	-0.4	2,260	2,218	2,232	2,246	2,324
356	General industrial machinery....	3,435	3,575	3,652	3,641	-3.9	-2.1	+0.3	3,473	3,535	3,594	3,590	4,012
357	Office and computing machines...	9,871	9,961	9,801	9,789	-0.9	+1.6	+0.1	9,772	9,821	9,870	9,858	9,519
36	Electrical machinery.....	28,131	28,281	27,607	27,445	-0.5	+2.4	+0.6	27,746	27,665	27,236	27,239	26,221
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,169	4,120	4,055	4,090	+1.2	+1.6	-0.9	4,107	4,047	4,052	4,099	4,025
363	Household appliances.....	2,062	2,036	1,864	1,841	+1.3	+9.2	+1.2	2,029	1,965	1,750	1,757	1,800
365	Radio and TV.....	1,025	1,037	1,017	988	-1.2	+2.0	+2.9	989	994	984	971	990
366	Communication equipment.....	11,146	11,234	10,944	10,954	-0.8	+2.6	-0.1	11,076	11,037	10,920	10,925	10,024
367	Electronic components.....	5,626	5,685	5,610	5,503	-1.0	+1.3	+1.9	5,524	5,628	5,520	5,492	5,490
37	Transportation equipment.....	40,925	40,562	39,794	39,977	+0.9	+1.9	-0.5	40,757	39,950	40,108	40,134	39,737
371	Motor vehicles and parts.....	9,708	9,423	8,844	8,724	+3.0	+6.5	+1.4	9,847	9,277	9,108	8,933	8,179
372,6	Aircraft, missiles, and parts...	28,374	28,189	28,006	28,350	+0.7	+0.7	-1.2	28,036	27,697	27,989	28,290	28,315
3731,95	Shipbuilding and military tank vehicles.....	1,336	1,412	1,443	1,435	-5.4	-2.1	+0.6	1,304	1,376	1,485	1,461	1,645
38	Instruments and related products..	9,050	9,091	9,050	8,988	-0.5	+0.5	+0.7	8,991	8,801	8,879	8,838	8,990
381-4	Scientific and engineering instruments.....	6,340	6,421	6,473	6,380	-1.3	-0.8	+1.5	6,321	6,292	6,389	6,291	6,445
386	Photographic goods.....	2,164	2,128	2,077	2,097	+1.7	+2.5	-1.0	2,129	1,975	2,000	2,051	2,013
24,25, 39	All other durable goods.....	14,587	14,344	14,388	14,405	+1.7	-0.3	-0.1	14,580	14,112	14,128	14,222	13,563
	Nondurable goods industries.....	89,649	89,362	90,054	90,188	+0.3	-0.8	-0.1	90,236	89,021	90,089	89,946	90,185
	With unfilled orders.....	21,959	21,705	21,776	21,614	+1.2	-0.3	+0.7	21,526	21,121	21,144	21,012	20,481
20	Food and kindred products.....	21,058	20,825	20,775	20,859	+1.1	+0.2	-0.4	21,698	21,487	22,214	22,062	21,446
201	Meat products.....	2,175	2,083	2,019	1,968	+4.4	+3.2	+2.6	2,182	2,016	2,099	1,995	2,084
208	Beverages.....	3,372	3,289	3,246	3,258	+2.5	+1.3	-0.4	3,453	3,348	3,250	3,294	3,638
207	Fats and oils.....	1,760	1,747	1,756	2,050	+0.7	-0.5	-14.3	1,971	2,010	2,156	2,108	1,387
203-6,9	All other foods.....	12,016	11,979	11,966	11,868	+0.3	+0.1	+0.8	12,376	12,446	12,971	12,948	12,650
21	Tobacco products.....	4,216	4,273	4,461	4,507	-1.3	-4.2	-1.0	4,545	4,555	4,528	4,584	4,854
22	Textile mill products.....	6,968	6,870	7,007	7,013	+1.4	-2.0	-0.1	7,004	6,769	6,786	6,704	6,228
26	Paper and allied products.....	8,925	8,766	8,813	8,675	+1.8	-0.5	+1.6	8,782	8,607	8,643	8,488	8,398
261-3,6	Pulp, paper etc.....	3,267	3,249	3,300	3,271	+0.6	-1.5	+0.9	3,220	3,241	3,277	3,237	3,341
265	Paperboard containers.....	2,344	2,360	2,344	2,264	-0.7	+0.7	+3.5	2,316	2,297	2,260	2,194	2,184
264	All other paper products.....	3,314	3,157	3,169	3,140	+5.0	-0.4	+0.9	3,246	3,069	3,106	3,057	2,873
28	Chemicals and allied products.....	19,278	19,637	19,823	19,826	-1.8	-0.9	0.0	19,544	19,552	19,612	19,366	19,781
281,6	Industrial chemicals, except pigments.....	5,806	5,869	5,910	5,941	-1.1	-0.7	-0.5	5,916	5,839	5,845	5,793	6,163
283,4	Drugs, soaps, and toiletries....	6,213	6,269	6,333	6,404	-0.9	-1.0	-1.1	6,145	6,137	6,327	6,314	6,159
29	Petroleum and coal products.....	8,360	8,208	8,430	8,686	+1.9	-2.6	-2.9	8,242	8,072	8,617	8,748	9,548
30	Rubber and plastics products.....	5,609	5,660	5,746	5,724	-0.9	-1.5	+0.4	5,680	5,580	5,545	5,564	5,737
23,27, 31	All other nondurable goods.....	15,235	15,123	14,999	14,898	+0.7	+0.8	+0.7	14,741	14,399	14,144	14,430	14,193
	Market categories:												
	Home goods and apparel.....	21,270	21,055	20,825	20,804	+1.0	+1.1	+0.1	20,927	20,289	19,752	20,078	19,756
	Consumer staples.....	32,733	32,617	32,739	32,642	+0.4	-0.4	+0.3	33,317	33,047	33,725	33,733	34,067
	Equipment and defense products, except automotive.....	73,159	73,201	73,110	73,387	-0.1	+0.1	-0.4	72,800	72,201	72,816	72,883	75,246
	Automotive equipment.....	11,901	11,590	10,955	10,740	+2.7	+5.8	+2.0	12,108	11,482	11,190	10,882	10,390
	Construction materials, supplies and intermediate products.....	18,948	19,133	19,324	19,268	-1.0	-1.0	+0.3	18,964	18,830	18,769	18,862	18,474
	Other materials, supplies, and intermediate products.....	102,906	103,236	104,065	103,975	-0.3	-0.8	+0.1	103,069	101,903	103,128	102,592	104,495
	Supplementary series:[2]												
	Capital goods industries.....	83,008	83,173	82,764	83,226	-0.2	+0.5	-0.6	82,395	81,767	82,557	82,857	84,896
	Nondefense.....	65,085	65,358	65,427	65,944	-0.4	-0.1	-0.8	64,774	64,220	65,364	65,765	68,636
	Defense.....	17,923	17,815	17,337	17,282	+0.6	+2.8	+0.3	17,621	17,547	17,193	17,092	16,260
	Household durable goods industries.....	10,241	10,113	9,880	9,951	+1.3	+2.4	-0.7	10,102	9,818	9,532	9,689	9,769

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Jan. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,263	88,268	87,510	87,132	+1.1	+0.9	+0.4	89,901	88,676	86,994	86,628	87,481
	Durable goods industries.....	52,351	51,749	51,395	51,016	+1.2	+0.7	+0.7	52,471	51,629	51,262	50,951	51,641
32	Stone, clay, and glass products...	1,848	1,856	1,896	1,903	-0.4	-2.1	-0.4	1,870	1,887	1,856	1,877	1,961
33	Primary metals.....	6,282	6,475	6,603	6,556	-3.0	-1.9	+0.7	6,446	6,723	6,689	6,591	7,800
34	Fabricated metal products.....	6,924	6,920	6,890	6,831	+0.1	+0.4	+0.9	6,941	6,856	6,712	6,726	6,784
35	Machinery, except electrical.....	10,750	10,393	10,533	10,325	+3.4	-1.3	+2.0	10,777	10,372	10,535	10,371	11,138
36	Electrical Machinery.....	7,789	7,854	7,663	7,565	-0.8	+2.5	+1.3	7,751	7,710	7,477	7,471	7,363
37	Transportation equipment.....	10,763	10,301	9,845	9,826	+4.5	+4.6	+0.2	10,689	10,151	9,982	9,812	8,816
38	Instruments and related products..	2,601	2,504	2,531	2,596	+3.9	-1.1	-2.5	2,602	2,489	2,498	2,560	2,709
24,25, 39	All other durable goods.....	5,394	5,446	5,434	5,414	-1.0	+0.2	+0.4	5,395	5,441	5,513	5,543	5,070
	Nondurable goods industries.....	36,912	36,519	36,115	36,116	+1.1	+1.1	0.0	37,430	37,047	35,732	35,677	35,840
20	Food and kindred products.....	8,252	8,283	7,932	8,150	-0.4	+4.4	-2.7	8,614	8,640	8,352	8,256	7,914
21	Tobacco products.....	3,518	3,682	3,795	3,976	-4.5	-3.0	-4.6	3,904	4,010	3,682	3,914	4,384
22	Textile mill products.....	2,142	2,091	2,186	2,230	+2.4	-4.3	-2.0	2,183	2,106	2,072	2,048	1,887
26	Paper and allied products.....	4,585	4,434	4,498	4,377	+3.4	-1.4	+2.8	4,501	4,456	4,408	4,341	4,269
28	Chemicals and allied products.....	7,771	7,644	7,651	7,501	+1.7	-0.1	+2.0	7,802	7,646	7,446	7,305	7,541
29	Petroleum and coal products.....	2,456	2,242	2,098	2,059	+9.5	+6.9	+1.9	2,344	2,148	2,094	2,145	2,487
30	Rubber and plastics products.....	2,115	2,176	2,134	2,092	-2.8	+2.0	+2.0	2,164	2,215	2,074	2,083	1,941
23,27, 31	All other nondurable goods.....	6,073	5,967	5,821	5,731	+1.8	+2.5	+1.6	5,918	5,826	5,604	5,585	5,417
	WORK IN PROCESS												
	All manufacturing industries..	91,347	91,771	91,446	91,565	-0.5	+0.4	-0.1	90,949	89,874	91,168	91,320	91,111
	Durable goods industries.....	76,677	77,426	76,633	76,857	-1.0	+1.0	-0.3	76,470	75,824	76,315	76,588	76,904
32	Stone, clay, and glass products...	775	813	793	779	-4.7	+2.5	+1.8	767	749	731	725	842
33	Primary metals.....	7,153	7,316	7,376	7,497	-2.2	-0.8	-1.6	7,269	7,144	7,215	7,363	7,506
34	Fabricated metal products.....	6,024	6,186	6,120	6,031	-2.6	+1.1	+1.5	5,954	5,888	5,926	5,938	5,917
35	Machinery, except electrical.....	14,670	15,086	15,084	15,254	-2.5	0.0	-1.1	14,781	14,906	15,147	15,214	16,214
36	Electrical Machinery.....	14,876	14,937	14,556	14,533	-0.4	+2.6	+0.2	14,671	14,648	14,507	14,525	13,347
37	Transportation equipment.....	25,682	25,585	25,294	25,430	+0.4	+1.2	-0.5	25,530	25,163	25,467	25,598	26,010
38	Instruments and related products..	4,002	4,036	3,957	3,892	-0.8	+2.0	+1.7	3,988	3,891	3,912	3,838	3,915
24,25, 39	All other durable goods.....	3,495	3,467	3,453	3,441	+0.8	+0.4	+0.3	3,510	3,435	3,410	3,387	3,153
	Nondurable goods industries.....	14,670	14,345	14,813	14,708	+2.3	-3.2	+0.7	14,479	14,050	14,853	14,732	14,207
20	Food and kindred products.....	1,742	1,705	1,702	1,702	+2.2	+0.2	0.0	1,778	1,772	1,751	1,717	1,851
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,260	2,281	2,318	2,251	-0.9	-1.6	+3.0	2,276	2,247	2,287	2,232	2,018
26	Paper and allied products.....	1,118	1,097	1,083	1,082	+1.9	+1.3	+0.1	1,093	1,048	1,064	1,060	1,012
28	Chemicals and allied products.....	3,291	3,365	3,425	3,438	-2.2	-1.8	-0.4	3,281	3,309	3,384	3,417	3,160
29	Petroleum and coal products.....	1,585	1,477	1,618	1,809	+7.3	-8.7	-10.6	1,532	1,461	1,662	1,757	1,911
30	Rubber and plastics products.....	938	948	1,022	1,003	-1.1	-7.2	+1.9	965	938	1,023	998	1,053
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	80,307	80,793	82,062	82,119	-0.6	-1.5	-0.1	80,335	79,202	81,218	81,082	83,836
	Durable goods industries.....	42,240	42,295	42,936	42,755	-0.1	-1.5	+0.4	42,008	41,278	41,714	41,545	43,698
32	Stone, clay, and glass products...	3,007	3,054	3,033	3,042	-1.5	+0.7	-0.3	2,989	2,948	2,882	2,880	2,919
33	Primary metals.....	5,384	5,301	5,857	5,732	+1.6	-9.5	+2.2	5,449	5,319	5,752	5,573	5,756
34	Fabricated metal products.....	4,653	4,657	4,631	4,485	-0.1	+0.6	+3.3	4,687	4,553	4,480	4,331	4,727
35	Machinery, except electrical.....	11,105	11,135	11,309	11,378	-0.3	-1.5	-0.6	10,945	10,858	11,015	11,062	12,168
36	Electrical Machinery.....	5,466	5,490	5,388	5,347	-0.4	+1.9	+0.8	5,324	5,307	5,252	5,243	5,511
37	Transportation equipment.....	4,480	4,676	4,655	4,721	-4.2	+0.5	-1.4	4,538	4,636	4,659	4,724	4,911
38	Instruments and related products..	2,447	2,551	2,562	2,500	-4.1	-0.4	+2.5	2,401	2,421	2,469	2,440	2,366
24,25, 39	All other durable goods.....	5,698	5,431	5,501	5,550	+4.9	-1.3	-0.9	5,675	5,236	5,205	5,292	5,340
	Nondurable goods industries.....	38,067	38,498	39,126	39,364	-1.1	-1.6	-0.6	38,327	37,924	39,504	39,537	40,138
20	Food and kindred products.....	11,064	10,837	11,141	11,007	+2.1	-2.7	+1.2	11,306	11,075	12,111	12,089	11,681
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,566	2,498	2,503	2,532	+2.7	+1.3	-1.1	2,545	2,416	2,427	2,424	2,323
26	Paper and allied products.....	3,222	3,235	3,232	3,216	-0.4	+0.1	+0.5	3,188	3,103	3,171	3,087	3,117
28	Chemicals and allied products.....	8,216	8,628	8,747	8,887	-4.8	-1.4	-1.6	8,461	8,597	8,782	8,644	9,080
29	Petroleum and coal products.....	4,319	4,489	4,714	4,818	-3.8	-4.8	-2.2	4,366	4,463	4,861	4,846	5,150
30	Rubber and plastics products.....	2,556	2,536	2,590	2,629	+0.8	-2.1	-1.5	2,551	2,427	2,448	2,483	2,743
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983	Jan. 1984[p]	Dec. 1983[r]	Nov. 1983	Oct. 1983
	All manufacturing industries	1.41	1.40	1.44	1.48	3.52	3.41	3.52	3.60
	Durable goods industries	1.79	1.78	1.85	1.93	4.30	4.15	4.29	4.40
32	Stone, clay, and glass products	1.27	1.36	1.32	1.36	0.51	0.53	0.52	0.54
33	Primary metals	1.76	1.65	1.82	1.92	2.65	2.27	2.50	2.55
34	Fabricated metal products	1.63	1.64	1.62	1.61	2.07	2.05	2.07	2.09
35	Machinery, except electrical	2.26	2.17	2.28	2.35	3.87	3.72	3.89	3.98
36	Electrical machinery	1.90	1.93	1.97	2.03	4.80	4.81	4.94	5.05
37	Transportation equipment	1.69	1.74	1.82	2.01	11.30	10.65	11.20	11.95
38	Instruments and related products	1.97	1.95	2.10	2.09	1.71	1.67	1.80	1.80
	Nondurable goods industries	1.00	0.99	1.01	1.02	0.54	0.54	0.56	0.57
20	Food and kindred products	0.84	0.85	0.87	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	3.26	2.09	2.69	2.93	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.41	1.57	1.52	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.14	1.12	1.15	1.16	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.11	1.15	1.17	1.17	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.56	0.50	0.52	0.53	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.26	1.20	1.23	1.29	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1983	All Jans. 1979-1983	Jan. 1983-Dec. 1983	Year ago Jan. 1983	All Jans. 1979-1983	Jan. 1983-Dec. 1983	Year ago Jan. 1983	All Jans. 1979-1983	Jan. 1983-Dec. 1983	Year ago Jan. 1983	All Jans. 1979-1983	Jan. 1983-Dec. 1983
	All manufacturing industries	0.3	0.3	0.2	0.1	0.4	0.3	0.1	0.1	0.1	0.2	0.2	0.1
	Durable goods industries	0.4	0.4	0.3	0.3	0.7	0.6	0.0	0.1	0.2	0.0	0.0	0.1
32	Stone, clay, and glass products	2.2	1.8	0.9	2.2	1.8	1.2	0.1	1.4	1.3	0.9	0.6	0.6
33	Primary metals	1.0	1.0	1.2	0.4	1.3	1.4	0.5	0.5	0.4	0.0	0.3	0.2
34	Fabricated metal products	3.4	1.2	1.1	2.6	1.6	1.8	0.4	0.3	0.4	0.2	0.3	0.3
35	Machinery, except electrical	1.8	1.1	1.0	0.2	0.9	1.1	0.4	0.3	0.2	0.1	0.2	0.3
36	Electrical machinery	0.4	0.3	0.6	0.2	0.5	1.2	0.0	0.1	0.2	0.2	0.1	0.2
37	Transportation equipment	0.7	1.1	0.7	0.7	2.9	1.9	0.0	0.4	0.3	0.0	0.3	0.2
38	Instruments and related products	0.4	0.4	0.6	1.2	1.0	1.2	0.9	1.7	0.5	1.3	0.6	0.4
	Nondurable goods industries	0.1	0.2	0.3	0.1	0.3	0.3	1.4	0.7	0.6	0.5	0.5	0.3
20	Food and kindred products	0.2	0.9	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.4	0.6
21	Tobacco products	2.1	2.9	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.9	0.2
22	Textile mill products	2.2	2.1	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.3	0.7
26	Paper and allied products	3.2	1.7	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.6	0.5
28	Chemicals and allied products	1.0	1.0	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.8	0.4
29	Petroleum and coal products	1.1	1.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	2.4	1.4	0.7
30	Rubber and plastics products	0.3	3.0	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.7	1.5	0.7
	Capital Goods Industries:												
	Nondefense	1.1	1.0	0.8	2.2	2.4	1.7	0.3	0.3	0.2	0.0	0.1	0.2
	Defense	0.0	1.4	1.2	2.6	3.7	3.1	0.3	0.3	0.3	0.1	0.3	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

C158:
M3-1(84)-2
BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
30 1984
DEPOSITORY

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

FEBRUARY 1984

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(84)-2
For Wire Transmission 10:00 A.M. E.S.T. Friday, March 30, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in February increased $1.3 billion or 0.7 percent from January to $190.9 billion. The durable and nondurable goods sectors were up 0.9 percent and 0.4 percent respectively. The change in new orders for durable goods was originally estimated at a 1.2 percent decline; the revision was caused by the addition of company data not available in time for the advance report. Shipments of manufactured goods in February increased $1.1 billion or 0.6 percent to $184.9 billion following a 1.6 percent decline in January. Prior to that, manufacturers' shipments generally showed gains between the recession low in October 1982 of $154.2 billion and December 1983 of $186.7 billion.

The backlog of orders held by manufacturers at the end of February was estimated at $346.2 billion, up $6.1 billion or 1.8 percent from January. Significant increases in unfilled orders have occurred since September when the level was $323.0 billion, an average gain of $4.6 billion per month.

The book value of manufacturers' inventories in February increased to $263.8 billion, up $3.2 billion or 1.2 percent from January. The inventory to shipments ratio at the end of February was 1.43, the second consecutive monthly increase. Following the recession the ratio had dropped from 1.71 in December 1982 to 1.40 in December 1983.

NEW ORDERS. The February increase in new orders of 0.7 percent resulted from a mixed pattern of increases and decreases in the major industry categories. Within the durable goods sector, the largest increase was in the transportation equipment industry, where new orders increased $1.4 billion or 5.6 percent to $27.1 billion. Increases in new orders for commercial aircraft and parts and for defense shipbuilding were partially offset by declines in the other transportation equipment categories. New orders were also up for electrical machinery, where an increase of $0.6 billion or 4.0 percent to $15.9 billion was recorded. The largest decline in new orders in the durable goods sector was in the primary metals category which decreased $1.3 billion or 10.6 percent to $11.2 billion, following a 17.8 percent increase last month. Although orders for primary metals have been fluctuating for the last four months they have been showing a strong upward trend since October 1982 when they reached a low of $7.1 billion.

New orders for the capital goods industries as a group were up $2.5 billion or 7.8 percent to $34.4 billion. New orders for nondefense capital goods were up $1.6 billion or 6.2 percent to $26.9 billion, while new orders for defense capital goods increased $0.9 billion or 13.9 percent to $7.5 billion.

SHIPMENTS. About two thirds of the $1.1 billion increase in shipments of manufactured goods in February was caused by an $0.8 billion or 0.9 percent increase in the durable goods sector where most of the industries showed small gains. The increase in shipments in the nondurable goods sector of $0.3 billion or 0.3 percent resulted mostly from increases in the tobacco and petroleum product industries. The February increases offset most of the declines reported in these two industries last month.

UNFILLED ORDERS. The increase in unfilled orders at the end of February of $6.1 billion or 1.8 percent reflected increases in the transportation equipment industry of $2.7 billion or 2.0 percent to $137.5 billion, in electrical machinery of $1.7 billion or 2.4 percent to $73.0 billion, in nonelectrical machinery of $0.6 billion or 1.1 percent to $59.8 billion, and in primary metals of $0.5 billion or 1.6 percent to $28.7 billion. Unfilled orders for capital goods went up $4.5 billion or 1.9 percent to $242.4 billion, with both the defense and nondefense categories increasing.

INVENTORIES. The inventory increase in February reflected widespread increases in virtually all major industries. By stage of fabrication all components increased with finished goods showing the first increase since last August. The February increase in finished goods of 1.4 percent resulted from an increase in the durable goods sector of 1.1 percent and the nondurable goods sector of 1.8 percent. Work in process inventories increased 1.3 percent in February with most of the gain coming in the durable goods category. Materials and supplies inventories increased in both the durable and nondurable goods sectors about 1.0 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for March is scheduled for release on April 24, 1984 at 8:30 A.M. and the full report on May 1, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	1984[p]	1983
	All manufacturing industries	184,885	183,736	186,676	181,084	+0.6	-1.6	+3.1	186,688	170,201	180,260	180,271	356,889	306,101
	Manufacturing industries with unfilled orders	96,383	96,029	97,916	94,376	+0.4	-1.9	+3.8	97,694	87,786	95,876	94,198	185,480	155,745
	Durable goods industries	95,996	95,147	96,152	92,246	+0.9	-1.0	+4.2	96,782	85,927	92,543	91,761	182,709	148,254
	With unfilled orders	76,518	76,079	78,017	74,915	+0.6	-2.5	+4.1	77,589	69,046	76,706	74,559	146,635	121,925
32	Stone, clay, and glass products	4,590	4,500	4,202	4,350	+2.0	+7.1	-3.4	4,285	3,767	3,743	4,296	8,052	6,917
322	Glass containers	402	376	378	386	+6.9	-0.5	-2.1	383	341	335	364	724	752
33	Primary metals	10,776	10,615	11,563	10,891	+1.5	-8.2	+6.2	11,348	10,383	10,782	10,395	21,731	16,737
331	Blast furnaces, steel mills	4,356	4,196	4,470	4,422	+3.8	-6.1	+1.1	4,609	4,158	4,327	4,236	8,767	6,649
333-9	Nonferrous and other primary metals	5,180	5,142	5,915	5,282	+0.7	-13.1	+12.0	5,465	5,018	5,418	4,981	10,483	8,502
34	Fabricated metal products	11,236	11,018	10,852	10,873	+2.0	+1.5	-0.2	11,249	9,993	10,120	10,638	21,242	17,843
341	Metal cans, barrels, and drums	901	894	936	965	+0.8	-4.5	-3.0	881	766	774	805	1,647	1,686
35	Machinery, except electrical	16,470	16,431	16,845	16,192	+0.2	-2.5	+4.0	16,923	14,623	17,823	15,764	31,546	25,599
351	Engines and turbines	1,125	1,112	1,090	1,148	+1.2	+2.0	-5.1	1,205	1,077	1,063	1,075	2,282	1,878
352	Farm machinery and equipment	1,048	960	1,179	1,137	+9.2	-18.6	+3.7	1,108	906	984	935	2,014	1,666
353	Construction, mining, and material handling equipment	2,465	2,530	2,925	2,758	-2.6	-13.5	+6.1	2,648	2,401	2,790	2,620	5,049	3,981
354	Metalworking machinery	749	785	702	734	-4.6	+11.8	-4.4	799	692	731	713	1,491	1,283
356	General industrial machinery	1,299	1,341	1,301	1,230	-3.1	+3.1	+5.8	1,331	1,196	1,326	1,186	2,527	2,318
357	Office and computing machines	4,104	4,151	4,149	3,904	-1.1	0.0	+6.3	3,878	3,192	5,755	4,135	7,070	5,829
36	Electrical machinery	14,183	14,274	14,617	13,989	-0.6	-2.3	+4.5	14,467	13,153	14,437	14,147	27,620	23,256
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,879	1,929	2,056	1,895	-2.6	-6.2	+8.5	1,971	1,818	1,989	1,876	3,789	3,453
363	Household appliances	1,344	1,521	1,221	1,269	-11.6	+24.6	-3.8	1,359	1,308	1,113	1,218	2,667	2,239
365	Radio and TV	782	962	750	685	-18.7	+28.3	+9.5	781	790	767	800	1,571	1,219
366	Communication equipment	4,246	3,973	4,910	4,500	+6.9	-19.1	+9.1	4,266	3,625	5,046	4,412	7,891	7,167
367	Electronic components	3,458	3,355	3,218	3,243	+3.1	+4.3	-0.8	3,579	3,208	3,070	3,265	6,787	5,274
37	Transportation equipment	24,378	24,089	23,296	21,838	+1.2	+3.4	+6.7	24,414	21,734	21,843	22,433	46,148	35,236
371	Motor vehicles and parts	16,707	16,780	15,222	14,267	-0.4	+10.2	+6.7	16,795	15,339	13,195	14,855	32,134	21,563
372,6	Aircraft, missiles, and parts	5,988	5,669	6,312	6,114	+5.6	-10.2	+3.2	5,905	4,909	6,871	6,181	10,814	10,676
3731,95	Shipbuilding and military tank vehicles	859	817	1,009	810	+5.1	-19.0	+24.6	844	733	1,091	804	1,577	1,718
38	Instruments and related products	4,310	4,500	4,655	4,301	-4.2	-3.3	+8.2	4,250	4,038	4,670	4,412	8,288	7,573
381-4	Scientific and engineering instruments	2,525	2,683	2,637	2,473	-5.9	+1.7	+6.6	2,507	2,514	2,693	2,461	5,021	4,572
386	Photographic goods	1,595	1,622	1,817	1,649	-1.7	-10.7	+10.2	1,555	1,358	1,804	1,768	2,913	2,639
24,25, 39	All other durable goods	10,053	9,720	10,122	9,812	+3.4	-4.0	+3.2	9,846	8,236	9,125	9,676	18,082	15,093
	Nondurable goods industries	88,889	88,589	90,524	88,838	+0.3	-2.1	+1.9	89,906	84,274	87,717	88,510	174,180	157,847
	With unfilled orders	19,865	19,950	19,899	19,461	-0.4	+0.3	+2.3	20,105	18,740	19,170	19,639	38,845	33,820
20	Food and kindred products	24,442	24,619	24,606	23,863	-0.7	+0.1	+3.1	24,454	22,896	24,562	24,266	47,350	45,000
201	Meat products	5,800	5,756	5,753	5,490	+0.8	+0.1	+4.8	5,748	5,601	5,845	5,578	11,349	10,804
208	Beverages	3,792	3,516	3,451	3,260	+7.8	+1.9	+5.9	3,379	2,947	3,106	3,299	6,326	6,070
207	Fats and oils	1,272	1,480	1,359	1,455	-14.1	+8.9	-6.6	1,350	1,468	1,395	1,507	2,818	2,636
203-6,9	All other foods	10,405	10,632	10,935	10,494	-2.1	-2.8	+4.2	10,801	9,813	11,164	10,724	20,614	19,436
21	Tobacco products	1,571	1,299	2,044	1,660	+20.9	-36.4	+23.1	1,478	1,233	2,109	1,680	2,711	2,167
22	Textile mill products	4,734	4,699	4,869	4,449	+0.7	-3.5	+9.4	4,753	4,234	4,534	4,474	8,987	7,394
26	Paper and allied products	7,953	7,856	7,801	7,638	+1.2	+0.7	+2.1	8,190	7,553	7,226	7,362	15,743	13,319
261-3,6	Pulp, paper etc.	3,432	3,360	3,315	3,186	+2.1	+1.4	+4.0	3,514	3,171	3,086	3,150	6,685	5,608
265	Paperboard containers	1,730	1,787	1,703	1,760	-3.2	+4.9	-3.2	1,792	1,682	1,538	1,697	3,474	2,981
264	All other paper products	2,791	2,709	2,783	2,692	+3.0	-2.7	+3.4	2,884	2,700	2,602	2,515	5,584	4,730
28	Chemicals and allied products	17,011	16,877	17,023	16,938	+0.8	-0.9	+0.5	17,362	16,418	16,492	15,874	33,780	28,825
281,6	Industrial chemicals, except pigments	5,652	5,539	5,431	5,527	+2.0	+2.0	-1.7	5,924	5,351	5,399	5,217	11,275	8,772
283,4	Drugs, soaps, and toiletries	3,914	4,085	4,133	4,040	-4.2	-1.2	+2.3	3,914	3,848	4,154	3,903	7,762	8,093
29	Petroleum and coal products	15,415	15,035	16,296	16,063	+2.5	-7.7	+1.5	15,663	15,442	16,323	16,025	31,105	29,447
30	Rubber and plastics products	4,269	4,409	4,701	4,676	-3.2	-6.2	+0.5	4,441	4,111	4,221	4,436	8,552	8,031
23,27, 31	All other nondurable goods	13,494	13,795	13,184	13,551	-2.2	+4.6	-2.7	13,565	12,387	12,250	14,393	25,952	23,664
	Market categories:													
	Home goods and apparel	12,821	13,145	12,631	12,801	-2.5	+4.1	-1.3	12,989	11,230	10,860	13,386	24,219	21,213
	Consumer staples	32,679	32,775	33,558	32,106	-0.3	-2.3	+4.5	32,452	30,315	33,569	32,714	62,767	59,803
	Equipment and defense products, except automotive	26,287	25,904	28,126	26,592	+1.5	-7.9	+5.8	26,392	22,902	30,081	26,126	49,294	43,724
	Automotive equipment	18,825	18,882	17,405	16,176	-0.3	+8.5	+7.6	18,811	17,139	15,032	16,620	35,950	24,795
	Construction materials, supplies and intermediate products	14,648	14,032	13,901	13,997	+4.4	+0.9	-0.7	13,819	11,785	12,746	13,684	25,604	21,824
	Other materials, supplies, and intermediate products	79,625	78,998	81,055	79,412	+0.8	-2.5	+2.1	82,225	76,830	77,972	77,741	159,055	134,742
	Supplementary series:[2]													
	Capital goods industries	29,871	29,576	31,595	29,924	+1.0	-6.4	+5.6	30,234	26,381	33,698	29,881	56,615	49,648
	Nondefense	24,052	23,933	25,840	24,262	+0.5	-7.4	+6.5	24,461	21,363	27,561	24,204	45,824	39,861
	Defense	5,819	5,643	5,755	5,662	+3.1	-1.9	+1.6	5,773	5,018	6,137	5,677	10,791	9,787
	Household durable goods industries	5,694	5,978	5,810	5,782	-4.8	+2.9	+0.5	5,753	5,090	5,295	5,906	10,843	9,203

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	1984[p]	1983
	All manufacturing industries	190,938	189,600	188,506	185,473	+0.7	+0.6	+1.6	194,364	179,490	184,984	183,714	373,854	314,861
	Manufacturing industries with unfilled orders	102,436	101,893	99,747	98,765	+0.5	+2.2	+1.0	105,370	97,075	100,600	97,641	202,445	164,505
	Durable goods industries	101,829	100,871	98,157	96,513	+0.9	+2.8	+1.7	104,180	94,843	97,319	95,412	199,023	156,724
	With unfilled orders	82,351	81,803	80,023	79,182	+0.7	+2.2	+1.1	84,987	77,962	81,482	78,210	162,949	130,395
32	Stone, clay, and glass products	4,766	4,573	4,202	4,328	+4.2	+8.8	-2.9	4,498	3,926	3,693	4,287	8,424	7,066
33	Primary metals	11,238	12,571	10,669	11,787	-10.6	+17.8	-9.5	12,599	12,708	11,112	11,375	25,307	19,803
331	Blast furnaces, steel mills	4,826	5,878	3,730	4,659	-17.9	+57.6	-19.9	5,691	5,869	4,441	4,642	11,560	8,458
333-9	Nonferrous and other primary metals	5,123	5,282	5,662	5,965	-3.0	-6.7	-5.1	5,547	5,473	5,529	5,526	11,020	9,688
34	Fabricated metal products	11,387	11,096	10,619	10,836	+2.6	+4.5	-2.0	11,482	10,218	9,948	10,439	21,700	17,625
35	Machinery, except electrical	17,115	17,276	16,534	16,207	-0.9	+4.5	+2.0	17,766	16,312	18,207	15,908	34,078	24,730
351	Engines and turbines	1,178	872	1,018	1,304	+35.1	-14.3	-21.9	1,200	966	872	1,082	2,166	1,757
353	Construction, mining, and material handling equipment	2,551	2,634	2,816	2,790	-3.2	-6.5	+0.9	2,867	2,488	2,779	2,669	5,355	3,854
354	Metalworking machinery	825	856	646	776	-3.6	+32.5	-16.8	864	798	636	751	1,662	1,106
356	General industrial machinery	1,315	1,333	1,321	1,214	-1.4	+0.9	+8.8	1,357	1,331	1,308	1,132	2,688	2,327
357	Office and computing machines	4,520	4,621	4,139	3,588	-2.2	+11.6	+15.4	4,342	3,930	6,450	4,033	8,272	5,264
36	Electrical machinery	15,868	15,257	15,920	14,645	+4.0	-4.2	+8.7	16,906	15,081	15,332	14,567	31,987	25,340
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,987	1,932	1,727	1,816	+2.8	+11.9	-4.9	2,131	1,918	1,609	1,759	4,049	3,468
363	Household appliances	1,266	1,547	1,233	1,301	-18.2	+25.5	-5.2	1,308	1,384	1,138	1,214	2,692	2,310
365	Radio and TV	996	943	830	664	+5.6	+13.6	+25.0	992	745	864	760	1,737	1,280
366	Communication equipment	5,288	4,200	5,655	4,849	+25.9	-25.7	+16.6	5,608	4,484	5,622	4,676	10,092	8,354
367	Electronic components	3,846	4,083	3,936	3,643	-5.8	+3.7	+8.0	4,342	4,132	3,604	3,605	8,474	5,957
37	Transportation equipment	27,105	25,657	25,540	24,647	+5.6	+0.5	+3.6	26,723	23,841	25,517	24,976	50,564	38,997
372,6	Aircraft, missiles, and parts	7,562	6,827	8,924	7,477	+10.8	-23.5	+19.4	7,115	6,331	10,794	6,779	13,446	13,836
3731,95	Shipbuilding and military tank vehicles	1,870	846	212	1,942	+121.0	+299.1	-89.1	1,737	859	338	2,420	2,596	2,170
38	Instruments and related products	4,195	4,611	4,694	4,294	-9.0	-1.8	+9.3	4,189	4,228	4,727	4,340	8,417	7,820
24,25, 39	All other durable goods	10,155	9,830	9,979	9,769	+3.3	-1.5	+2.1	10,017	8,529	8,783	9,520	18,546	15,343
	Nondurable goods industries	89,109	88,729	90,349	88,960	+0.4	-1.8	+1.6	90,184	84,647	87,665	88,302	174,831	158,137
	With unfilled orders	20,085	20,090	19,724	19,583	0.0	+1.9	+0.7	20,383	19,113	19,118	19,431	39,496	34,110
	Market categories:													
	Home goods and apparel	13,010	13,438	12,815	12,825	-3.2	+4.9	-0.1	13,263	11,575	10,861	13,210	24,838	21,645
	Consumer staples	32,649	32,752	33,543	32,150	-0.3	-2.4	+4.3	32,395	30,399	33,545	32,706	62,794	59,854
	Equipment and defense products, except automotive	30,481	27,764	28,836	29,171	+9.8	-3.7	-1.1	30,357	26,977	32,732	28,581	57,334	46,907
	Automotive equipment	18,928	19,160	17,758	16,461	-1.2	+7.9	+7.9	18,982	17,573	15,478	16,919	36,555	24,987
	Construction materials, supplies and intermediate products	14,872	13,978	13,682	13,917	+6.4	+2.2	-1.7	14,160	11,888	12,398	13,563	26,048	21,795
	Other materials, supplies, and intermediate products	80,998	82,508	81,872	80,949	-1.8	+0.8	+1.1	85,207	81,078	79,970	78,735	166,285	139,673
	Supplementary series:[2]													
	Capital goods industries	34,410	31,908	33,692	32,643	+7.8	-5.3	+3.2	34,728	30,680	37,575	32,216	65,408	53,719
	Nondefense	26,865	25,286	24,852	24,575	+6.2	+1.7	+1.1	26,906	24,310	27,101	24,104	51,216	38,744
	Defense	7,545	6,622	8,840	8,068	+13.9	-25.1	+9.6	7,822	6,370	10,474	8,112	14,192	14,975
	Household durable goods industries	5,810	6,278	5,962	5,784	-7.5	+5.3	+3.1	5,994	5,457	5,276	5,722	11,451	9,599

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Feb. 1983
	All manufacturing industries..	346,182	340,126	334,263	332,431	+1.8	+1.8	+0.6	350,057	342,389	333,100	328,379	308,490
	Durable goods industries.....	335,023	329,188	323,463	321,453	+1.8	+1.8	+0.6	338,860	331,470	322,553	317,781	299,227
32	Stone, clay, and glass products...	2,293	2,117	2,045	2,044	+8.3	+3.5	0.0	2,315	2,103	1,944	1,993	1,804
33	Primary metals.....	28,707	28,246	26,290	27,184	+1.6	+7.4	-3.3	30,062	28,813	26,488	26,158	23,357
331	Blast furnaces, steel mills.....	17,757	17,287	15,605	16,345	+2.7	+10.8	-4.5	18,662	17,581	15,870	15,756	13,878
333-9	Nonferrous and other primary metals.....	8,245	8,302	8,162	8,415	-0.7	+1.7	-3.0	8,608	8,527	8,072	7,961	7,250
34	Fabricated metal products.....	20,523	20,372	20,295	20,528	+0.7	+0.4	-1.1	20,474	20,240	20,016	20,187	21,020
35	Machinery, except electrical.....	59,758	59,110	58,266	58,573	+1.1	+1.4	-0.5	60,691	59,847	58,159	57,774	54,659
351	Engines and turbines.....	14,649	14,596	14,837	14,908	+0.4	-1.6	-0.5	14,692	14,697	14,809	14,999	14,939
353	Construction, mining, and material handling equipment....	5,800	5,714	5,610	5,718	+1.5	+1.9	-1.9	5,933	5,714	5,627	5,638	5,505
354	Metalworking machinery.....	2,548	2,472	2,400	2,456	+3.1	+3.0	-2.3	2,545	2,479	2,374	2,468	2,219
356	General industrial machinery....	4,770	4,753	4,761	4,741	+0.4	-0.2	+0.4	4,808	4,782	4,647	4,665	4,700
357	Office and computing machines...	21,012	20,596	20,126	20,136	+2.0	+2.3	0.0	21,348	20,884	20,146	19,451	17,578
36	Electrical machinery.....	73,021	71,337	70,353	69,049	+2.4	+1.4	+1.9	73,534	71,096	69,166	68,274	61,692
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,492	6,384	6,380	6,708	+1.7	+0.1	-4.9	6,500	6,342	6,240	6,620	6,777
363	Household appliances.....	479	558	531	520	-14.2	+5.1	+2.1	486	537	461	436	377
365	Radio and TV.....	591	377	396	317	+56.8	-4.8	+24.9	562	351	396	300	467
366	Communication equipment.....	43,876	42,834	42,608	41,861	+2.4	+0.5	+1.8	44,393	43,051	42,192	41,616	39,694
367	Electronic components.....	20,117	19,729	19,002	18,284	+2.0	+3.8	+3.9	20,158	19,394	18,470	17,937	13,100
37	Transportation equipment.....	137,482	134,754	133,185	130,941	+2.0	+1.2	+1.7	138,768	136,462	134,356	130,685	125,608
372,6	Aircraft, missiles, and parts...	105,162	103,589	102,429	99,817	+1.5	+1.1	+2.6	105,917	104,709	103,286	99,366	96,512
3731,95	Shipbuilding and military tank vehicles.....	23,521	22,510	22,482	23,280	+4.5	+0.1	-3.4	23,729	22,837	22,712	23,465	23,196
38	Instruments and related products..	7,760	7,875	7,764	7,726	-1.5	+1.4	+0.5	7,782	7,844	7,654	7,597	7,223
24,25, 39	All other durable goods.....	5,479	5,377	5,265	5,408	+1.9	+2.1	-2.6	5,234	5,065	4,770	5,113	3,864
	Nondurable goods industries.....	11,159	10,938	10,800	10,978	+2.0	+1.3	-1.6	11,197	10,919	10,547	10,598	9,263
	Market categories:												
	Home goods and apparel.....	4,702	4,516	4,222	4,039	+4.1	+7.0	+4.5	4,329	4,058	3,712	3,711	3,434
	Consumer staples.....	692	722	745	760	-4.2	-3.1	-2.0	726	783	699	723	816
	Equipment and defense products, except automotive.....	201,203	197,008	195,145	194,432	+2.1	+1.0	+0.4	203,439	199,476	195,400	192,749	186,222
	Automotive equipment.....	8,070	7,966	7,688	7,335	+1.3	+3.6	+4.8	8,392	8,221	7,788	7,342	5,543
	Construction materials, supplies and intermediate products.....	12,325	12,101	12,157	12,376	+1.9	-0.5	-1.8	12,275	11,934	11,831	12,179	12,418
	Other materials, supplies, and intermediate products.....	119,190	117,813	114,306	113,489	+1.2	+3.1	+0.7	120,896	117,917	113,670	111,675	100,057
	Supplementary series:[2]												
	Capital goods industries.....	242,429	237,888	235,555	233,452	+1.9	+1.0	+0.9	244,682	240,192	235,892	232,017	223,785
	Nondefense.....	127,816	125,000	123,647	124,630	+2.3	+1.1	-0.8	128,439	125,997	123,049	123,509	121,162
	Defense.....	114,613	112,888	111,908	108,822	+1.5	+0.9	+2.8	116,243	114,195	112,843	108,508	102,623
	Household durable goods industries.....	4,117	4,003	3,701	3,550	+2.8	+8.2	+4.3	3,819	3,580	3,212	3,232	2,992

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Feb. 1983
	All manufacturing industries..	263,804	260,606	260,832	261,018	+1.2	-0.1	-0.1	265,680	260,887	257,752	259,380	262,695
	Manufacturing industries with unfilled orders.....	179,454	177,543	178,001	177,845	+1.1	-0.3	+0.1	180,297	176,654	175,049	175,853	179,044
	Durable goods industries.....	172,894	170,742	171,470	170,964	+1.3	-0.4	+0.3	174,339	170,437	168,731	169,291	173,009
	With unfilled orders.....	157,520	155,594	156,296	156,069	+1.2	-0.4	+0.1	158,464	155,141	153,928	154,709	158,475
32	Stone, clay, and glass products...	5,550	5,585	5,723	5,722	-0.6	-2.4	0.0	5,729	5,582	5,584	5,469	5,937
322	Glass containers.....	631	629	651	643	+0.3	-3.4	+1.2	636	610	625	631	657
33	Primary metals.....	19,290	18,882	19,092	19,836	+2.2	-1.1	-3.8	19,595	19,230	19,186	19,656	20,914
331	Blast furnaces, steel mills.....	8,955	8,794	9,031	9,494	+1.8	-2.6	-4.9	9,090	9,041	9,257	9,466	10,094
333-9	Nonferrous and other primary metals.....	9,086	8,865	8,840	9,141	+2.5	+0.3	-3.3	9,232	8,963	8,725	9,022	9,672
34	Fabricated metal products.....	17,752	17,638	17,763	17,641	+0.6	-0.7	+0.7	18,026	17,619	17,297	17,118	17,570
341	Metal cans, barrels, and drums..	2,027	2,043	2,130	1,947	-0.8	-4.1	+9.4	2,163	2,068	1,853	1,659	1,996
35	Machinery, except electrical.....	36,997	36,578	36,614	36,926	+1.1	-0.1	-0.8	37,181	36,556	36,136	36,697	39,427
351	Engines and turbines.....	2,153	2,045	2,011	2,044	+5.3	+1.7	-1.6	2,182	2,059	2,023	2,059	2,332
352	Farm machinery and equipment....	1,940	1,926	1,909	2,066	+0.7	+0.9	-7.6	2,031	1,943	1,860	1,936	2,069
353	Construction, mining, and material handling equipment....	6,876	6,937	6,978	7,175	-0.9	-0.6	-2.7	6,897	6,965	6,937	7,146	8,628
354	Metalworking machinery.....	2,263	2,255	2,256	2,232	+0.4	0.0	+1.1	2,272	2,248	2,218	2,232	2,305
356	General industrial machinery....	3,503	3,474	3,575	3,652	+0.8	-2.8	-2.1	3,542	3,513	3,535	3,594	4,001
357	Office and computing machines...	10,118	9,877	9,961	9,801	+2.4	-0.8	+1.6	10,047	9,778	9,821	9,870	9,740
36	Electrical machinery.....	28,547	28,107	28,281	27,607	+1.6	-0.6	+2.4	28,487	27,725	27,665	27,236	26,226
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,216	4,158	4,120	4,055	+1.4	+0.9	+1.6	4,202	4,096	4,047	4,052	4,030
363	Household appliances.....	2,165	1,992	2,036	1,864	+8.7	-2.2	+9.2	2,178	1,961	1,965	1,750	1,856
365	Radio and TV.....	1,015	995	1,037	1,017	+2.0	-4.1	+2.0	991	960	994	984	969
366	Communication equipment.....	11,156	11,159	11,234	10,944	0.0	-0.7	+2.6	11,165	11,089	11,037	10,920	10,054
367	Electronic components.....	5,864	5,706	5,685	5,610	+2.8	+0.4	+1.3	5,841	5,604	5,628	5,520	5,404
37	Transportation equipment.....	41,151	40,642	40,562	39,794	+1.3	+0.2	+1.9	41,564	40,477	39,950	40,108	40,167
371	Motor vehicles and parts.....	9,667	9,528	9,423	8,844	+1.5	+1.1	+6.5	9,860	9,666	9,277	9,108	8,338
372,6	Aircraft, missiles, and parts...	28,670	28,272	28,189	28,006	+1.4	+0.3	+0.7	28,822	27,938	27,697	27,989	28,633
3731,95	Shipbuilding and military tank vehicles.....	1,293	1,341	1,412	1,443	-3.6	-5.0	-2.1	1,281	1,309	1,376	1,485	1,663
38	Instruments and related products..	9,029	8,787	9,091	9,050	+2.8	-3.3	+0.5	9,018	8,732	8,801	8,879	8,943
381-4	Scientific and engineering instruments.....	6,521	6,304	6,421	6,473	+3.4	-1.8	-0.8	6,521	6,285	6,292	6,389	6,432
386	Photographic goods.....	1,985	1,937	2,128	2,077	+2.5	-9.0	+2.5	1,973	1,906	1,975	2,000	2,002
24,25, 39	All other durable goods.....	14,578	14,523	14,344	14,388	+0.4	+1.2	-0.3	14,739	14,516	14,112	14,128	13,825
	Nondurable goods industries.....	90,910	89,864	89,362	90,054	+1.2	+0.6	-0.8	91,341	90,450	89,021	90,089	89,686
	With unfilled orders.....	21,934	21,949	21,705	21,776	-0.1	+1.1	-0.3	21,833	21,513	21,121	21,144	20,569
20	Food and kindred products.....	21,373	21,115	20,825	20,775	+1.2	+1.4	+0.2	21,572	21,759	21,487	22,214	20,899
201	Meat products.....	2,145	2,132	2,083	2,019	+0.6	+2.4	+3.2	2,190	2,139	2,016	2,099	2,108
208	Beverages.....	3,417	3,348	3,289	3,246	+2.1	+1.8	+1.3	3,509	3,428	3,348	3,250	3,717
207	Fats and oils.....	1,782	1,768	1,747	1,756	+0.8	+1.2	-0.5	1,938	1,980	2,010	2,156	1,441
203-6,9	All other foods.....	12,247	12,138	11,979	11,966	+0.9	+1.3	+0.1	12,198	12,502	12,446	12,971	11,945
21	Tobacco products.....	4,133	4,223	4,273	4,461	-2.1	-1.2	-4.2	4,377	4,552	4,555	4,528	4,817
22	Textile mill products.....	6,912	6,945	6,870	7,007	-0.5	+1.1	-2.0	7,088	6,981	6,769	6,786	6,281
26	Paper and allied products.....	8,887	8,818	8,766	8,813	+0.8	+0.6	-0.5	8,841	8,678	8,607	8,643	8,438
261-3,6	Pulp, paper etc.....	3,281	3,255	3,249	3,300	+0.8	+0.2	-1.5	3,261	3,208	3,241	3,277	3,337
265	Paperboard containers.....	2,384	2,328	2,360	2,344	+2.4	-1.4	+0.7	2,360	2,300	2,297	2,260	2,157
264	All other paper products.....	3,222	3,235	3,157	3,169	-0.4	+2.5	-0.4	3,220	3,170	3,069	3,106	2,944
28	Chemicals and allied products.....	19,744	19,478	19,637	19,823	+1.4	-0.8	-0.9	20,127	19,743	19,552	19,612	19,833
281,6	Industrial chemicals, except pigments.....	6,059	5,927	5,869	5,910	+2.2	+1.0	-0.7	6,156	6,039	5,839	5,845	6,021
283,4	Drugs, soaps, and toiletries....	6,422	6,369	6,269	6,333	+0.8	+1.6	-1.0	6,377	6,299	6,137	6,327	6,229
29	Petroleum and coal products.....	8,630	8,256	8,208	8,430	+4.5	+0.6	-2.6	8,377	8,138	8,072	8,617	9,491
30	Rubber and plastics products.....	5,768	5,599	5,660	5,746	+3.0	-1.1	-1.5	5,825	5,670	5,580	5,545	5,729
23,27, 31	All other nondurable goods.....	15,463	15,430	15,123	14,999	+0.2	+2.0	+0.8	15,134	14,929	14,399	14,144	14,198
	Market categories:												
	Home goods and apparel.....	21,459	21,318	21,055	20,825	+0.7	+1.2	+1.1	21,366	20,972	20,289	19,752	19,793
	Consumer staples.....	33,202	33,011	32,617	32,739	+0.6	+1.2	-0.4	33,388	33,594	33,047	33,725	33,524
	Equipment and defense products, except automotive.....	73,854	73,074	73,201	73,110	+1.1	-0.2	+0.1	74,178	72,721	72,201	72,816	75,225
	Automotive equipment.....	11,838	11,643	11,590	10,955	+1.7	+0.5	+5.8	12,139	11,849	11,482	11,190	10,526
	Construction materials, supplies and intermediate products.....	19,061	18,927	19,133	19,324	+0.7	-1.1	-1.0	19,483	18,941	18,830	18,769	18,984
	Other materials, supplies, and intermediate products.....	104,390	102,633	103,236	104,065	+1.7	-0.6	-0.8	105,126	102,810	101,903	103,128	104,643
	Supplementary series:[2]												
	Capital goods industries.....	83,789	82,951	83,173	82,764	+1.0	-0.3	+0.5	83,999	82,345	81,767	82,557	85,150
	Nondefense.....	65,530	65,171	65,358	65,427	+0.6	-0.3	-0.1	65,799	64,863	64,220	65,364	68,700
	Defense.....	18,259	17,780	17,815	17,337	+2.7	-0.2	+2.8	18,200	17,482	17,547	17,193	16,450
	Household durable goods industries.....	10,272	10,144	10,113	9,880	+1.3	+0.3	+2.4	10,295	10,007	9,818	9,532	9,821

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Feb. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,584	88,747	88,268	87,510	+0.9	+0.5	+0.9	90,061	89,395	88,676	86,994	86,730
	Durable goods industries.....	52,326	51,806	51,749	51,395	+1.0	+0.1	+0.7	52,502	51,933	51,629	51,262	51,181
32	Stone, clay, and glass products...	1,842	1,835	1,856	1,896	+0.4	-1.1	-2.1	1,858	1,857	1,887	1,856	1,982
33	Primary metals.....	6,274	6,305	6,475	6,603	-0.5	-2.6	-1.9	6,351	6,471	6,723	6,689	7,495
34	Fabricated metal products.....	6,992	6,918	6,920	6,890	+1.1	0.0	+0.4	7,014	6,936	6,856	6,712	6,763
35	Machinery, except electrical.....	10,781	10,600	10,393	10,533	+1.7	+2.0	-1.3	10,776	10,627	10,372	10,535	11,002
36	Electrical Machinery.....	7,901	7,743	7,854	7,663	+2.0	-1.4	+2.5	7,828	7,706	7,710	7,477	7,284
37	Transportation equipment.....	10,574	10,610	10,301	9,845	-0.3	+3.0	+4.6	10,703	10,537	10,151	9,982	9,017
38	Instruments and related products..	2,526	2,390	2,504	2,531	+5.7	-4.6	-1.1	2,527	2,392	2,489	2,498	2,637
24,25, 39	All other durable goods.....	5,436	5,405	5,446	5,434	+0.6	-0.8	+0.2	5,445	5,407	5,441	5,513	5,001
	Nondurable goods industries.....	37,258	36,941	36,519	36,115	+0.9	+1.2	+1.1	37,559	37,462	37,047	35,732	35,549
20	Food and kindred products.....	8,567	8,344	8,283	7,932	+2.7	+0.7	+4.4	8,792	8,711	8,640	8,352	7,818
21	Tobacco products.....	3,557	3,543	3,682	3,795	+0.4	-3.8	-3.0	3,808	3,928	4,010	3,682	4,314
22	Textile mill products.....	2,196	2,136	2,091	2,186	+2.8	+2.2	-4.3	2,252	2,177	2,106	2,072	1,856
26	Paper and allied products.....	4,577	4,528	4,434	4,498	+1.1	+2.1	-1.4	4,512	4,445	4,456	4,408	4,225
28	Chemicals and allied products.....	7,728	7,740	7,644	7,651	-0.2	+1.3	-0.1	7,762	7,768	7,646	7,446	7,466
29	Petroleum and coal products.....	2,237	2,394	2,242	2,098	-6.6	+6.8	+6.9	2,154	2,285	2,148	2,094	2,522
30	Rubber and plastics products.....	2,288	2,122	2,176	2,134	+7.8	-2.5	+2.0	2,239	2,171	2,215	2,074	1,896
23,27, 31	All other nondurable goods.....	6,108	6,134	5,967	5,821	-0.4	+2.8	+2.5	6,040	5,977	5,826	5,604	5,452
	WORK IN PROCESS												
	All manufacturing industries..	92,702	91,486	91,771	91,446	+1.3	-0.3	+0.4	93,219	91,092	89,874	91,168	91,680
	Durable goods industries.....	78,011	76,849	77,426	76,633	+1.5	-0.7	+1.0	78,608	76,644	75,824	76,315	77,288
32	Stone, clay, and glass products...	741	773	813	793	-4.1	-4.9	+2.5	782	765	749	731	823
33	Primary metals.....	7,421	7,169	7,316	7,376	+3.5	-2.0	-0.8	7,474	7,284	7,144	7,215	7,495
34	Fabricated metal products.....	6,104	6,105	6,186	6,120	0.0	-1.3	+1.1	6,210	6,034	5,888	5,926	6,011
35	Machinery, except electrical.....	15,113	14,867	15,086	15,084	+1.7	-1.5	0.0	15,229	14,978	14,906	15,147	16,325
36	Electrical Machinery.....	15,197	14,961	14,937	14,556	+1.6	+0.2	+2.6	15,223	14,755	14,648	14,507	13,438
37	Transportation equipment.....	25,989	25,588	25,585	25,294	+1.6	0.0	+1.2	26,226	25,438	25,163	25,467	26,075
38	Instruments and related products..	3,901	3,857	4,036	3,957	+1.1	-4.4	+2.0	3,919	3,846	3,891	3,912	3,943
24,25, 39	All other durable goods.....	3,545	3,529	3,467	3,453	+0.5	+1.8	+0.4	3,545	3,544	3,435	3,410	3,178
	Nondurable goods industries.....	14,691	14,637	14,345	14,813	+0.4	+2.0	-3.2	14,611	14,448	14,050	14,853	14,392
20	Food and kindred products.....	1,821	1,767	1,705	1,702	+3.1	+3.6	+0.2	1,825	1,804	1,772	1,751	1,848
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,224	2,264	2,281	2,318	-1.8	-0.7	-1.6	2,285	2,280	2,247	2,287	2,030
26	Paper and allied products.....	1,091	1,090	1,097	1,083	+0.1	-0.6	+1.3	1,085	1,066	1,048	1,064	1,038
28	Chemicals and allied products.....	3,369	3,300	3,365	3,425	+2.1	-1.9	-1.8	3,377	3,289	3,309	3,384	3,285
29	Petroleum and coal products.....	1,582	1,585	1,477	1,618	-0.2	+7.3	-8.7	1,558	1,531	1,461	1,662	1,871
30	Rubber and plastics products.....	948	942	948	1,022	+0.6	-0.6	-7.2	949	969	938	1,023	1,012
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	81,518	80,373	80,793	82,062	+1.4	-0.5	-1.5	82,400	80,400	79,202	81,218	84,285
	Durable goods industries.....	42,557	42,087	42,295	42,936	+1.1	-0.5	-1.5	43,229	41,860	41,278	41,714	44,540
32	Stone, clay, and glass products...	2,967	2,977	3,054	3,033	-0.3	-2.5	+0.7	3,089	2,960	2,948	2,882	3,132
33	Primary metals.....	5,595	5,408	5,301	5,857	+3.5	+2.0	-9.5	5,770	5,475	5,319	5,752	5,924
34	Fabricated metal products.....	4,656	4,615	4,657	4,631	+0.9	-0.9	+0.6	4,802	4,649	4,553	4,480	4,796
35	Machinery, except electrical.....	11,103	11,111	11,135	11,309	-0.1	-0.2	-1.5	11,176	10,951	10,858	11,015	12,100
36	Electrical Machinery.....	5,449	5,403	5,490	5,388	+0.9	-1.6	+1.9	5,436	5,264	5,307	5,252	5,504
37	Transportation equipment.....	4,588	4,444	4,676	4,655	+3.2	-5.0	+0.5	4,635	4,502	4,636	4,659	5,075
38	Instruments and related products..	2,602	2,540	2,551	2,562	+2.4	-0.4	-0.4	2,572	2,494	2,421	2,469	2,363
24,25, 39	All other durable goods.....	5,597	5,589	5,431	5,501	+0.1	+2.9	-1.3	5,749	5,565	5,236	5,205	5,646
	Nondurable goods industries.....	38,961	38,286	38,498	39,126	+1.8	-0.6	-1.6	39,171	38,540	37,924	39,504	39,745
20	Food and kindred products.....	10,985	11,004	10,837	11,141	-0.2	+1.5	-2.7	10,955	11,244	11,075	12,111	11,233
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,492	2,545	2,498	2,503	-2.1	+1.9	-0.2	2,551	2,524	2,416	2,427	2,395
26	Paper and allied products.....	3,219	3,200	3,235	3,232	+0.6	-1.1	+0.1	3,244	3,167	3,103	3,171	3,175
28	Chemicals and allied products.....	8,647	8,438	8,628	8,747	+2.5	-2.2	-1.4	8,988	8,686	8,597	8,782	9,082
29	Petroleum and coal products.....	4,811	4,277	4,489	4,714	+12.5	-4.7	-4.8	4,665	4,322	4,463	4,861	5,098
30	Rubber and plastics products.....	2,532	2,535	2,536	2,590	-0.1	0.0	-2.1	2,637	2,530	2,427	2,448	2,823
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

[p]Preliminary. [r]Revised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983	Feb. 1984[p]	Jan. 1984[r]	Dec. 1983	Nov. 1983
	All manufacturing industries	1.43	1.42	1.40	1.44	3.59	3.54	3.41	3.52
	Durable goods industries	1.80	1.79	1.78	1.85	4.38	4.33	4.15	4.29
32	Stone, clay, and glass products	1.21	1.24	1.36	1.32	0.55	0.51	0.53	0.52
33	Primary metals	1.79	1.78	1.65	1.82	2.66	2.66	2.27	2.50
34	Fabricated metal products	1.58	1.60	1.64	1.62	1.99	2.01	2.05	2.07
35	Machinery, except electrical	2.25	2.23	2.17	2.28	3.87	3.82	3.72	3.89
36	Electrical machinery	2.01	1.97	1.93	1.97	5.15	5.00	4.81	4.94
37	Transportation equipment	1.69	1.69	1.74	1.82	11.09	11.26	10.65	11.20
38	Instruments and related products	2.09	1.95	1.95	2.10	1.80	1.75	1.67	1.80
	Nondurable goods industries	1.02	1.01	0.99	1.01	0.56	0.55	0.54	0.56
20	Food and kindred products	0.87	0.86	0.85	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.63	3.25	2.09	2.69	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.48	1.41	1.57	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.12	1.12	1.12	1.15	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.16	1.15	1.15	1.17	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.56	0.55	0.50	0.52	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.35	1.27	1.20	1.23	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Feb. 1983	All Febs. 1979-1983	Feb. 1983-Jan. 1984	Year ago Feb. 1983	All Febs. 1979-1983	Feb. 1983-Jan. 1984	Year ago Feb. 1983	All Febs. 1979-1983	Feb. 1983-Jan. 1984	Year ago Feb. 1983	All Febs. 1979-1983	Feb. 1983-Jan. 1984
	All manufacturing industries	0.3	0.2	0.3	0.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
	Durable goods industries	0.3	0.3	0.3	0.3	0.6	0.6	0.1	0.1	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products	0.5	0.5	0.8	2.1	1.2	1.2	4.2	1.5	1.4	0.4	1.1	0.6
33	Primary metals	0.1	0.3	1.1	1.0	0.5	1.5	0.4	0.1	0.4	0.4	0.3	0.3
34	Fabricated metal products	0.9	0.8	1.0	4.3	2.1	1.7	1.4	0.4	0.4	0.3	0.2	0.3
35	Machinery, except electrical	0.0	0.9	0.9	0.4	2.3	1.4	0.1	0.2	0.2	0.2	0.3	0.3
36	Electrical machinery	0.3	0.3	0.9	0.8	1.0	1.4	0.2	0.2	0.2	0.4	0.3	0.2
37	Transportation equipment	0.1	0.3	0.7	0.2	2.1	1.9	0.0	0.2	0.3	0.1	0.3	0.3
38	Instruments and related products	0.3	1.4	0.8	1.0	1.4	1.2	0.1	0.1	0.4	0.8	0.8	0.5
	Nondurable goods industries	0.3	0.4	0.4	0.2	0.3	0.4	0.0	0.8	0.5	0.2	0.2	0.2
20	Food and kindred products	1.3	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.6
21	Tobacco products	0.0	1.2	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.8	0.1
22	Textile mill products	1.3	0.5	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	0.8	0.6
26	Paper and allied products	1.2	0.8	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.4	0.5
28	Chemicals and allied products	0.6	0.5	1.4	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.5
29	Petroleum and coal products	1.9	0.9	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.7	0.6
30	Rubber and plastics products	0.5	2.3	1.0	(X)	(X)	(X)	(X)	(X)	(X)	2.0	0.9	0.7
	Capital Goods Industries:												
	Nondefense	0.5	0.7	0.8	1.1	1.5	1.6	0.1	0.7	0.2	0.0	0.1	0.2
	Defense	1.6	1.6	1.2	0.1	4.6	3.0	0.1	0.2	0.3	0.3	0.3	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U.S. DEPARTMENT OF COMMERC
COM-2

First Class M

3.158:

Manufacturers' Shipments, Inventories, and Orders

BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
APR 14 1984
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

MARCH 1984
M3-1(84)-3
For Wire Transmission 10:00 A.M. E.D.T. Tuesday, May 1, 1984

M3-1(84)-3

(All figures in text are in seasonally adjusted current dollars)

The December through March data presented in this report are consistent with the revised seasonally adjusted data released April 20, 1984 by the Department of Commerce in the M3-1.13 "Manufacturers' Shipments, Inventories, and Orders: 1977-1983." These revisions reflect recomputation of seasonal factors based on data through 1983, historical corrections to the unfilled orders estimates for the steel industry, and corrections for data received too late to include in prior monthly publications.

SUMMARY. New orders for manufactured goods in March increased $4.2 billion or 2.2 percent from February to $195.6 billion. Although this is the largest one month gain since last September when orders were up 2.3 percent, most of the March increase was based on large defense capital goods orders.

Shipments of manufactured goods in March showed the largest gain since December, increasing $3.2 billion or 1.7 percent to $188.2 billion. Eighty percent of the increase came from the nondurable goods sector.

Manufacturers' unfilled orders at the end of March were estimated at $348.1 billion, up $7.4 billion or 2.2 percent from February. The value of unfilled orders has been generally increasing since November 1982, but the rate of gain has increased significantly over the last six months. Since last September the backlog of orders has increased an average of 1.6 percent or over $5.0 billion per month.

The book value of manufacturers' inventories increased $3.2 billion or 1.2 percent in March to $267.2 billion, matching the February increase. The inventory to shipments ratio at the end of March was 1.42, about the same as last month but up from the record low in December of 1.40.

NEW ORDERS. The increase in new orders in March was about equal in the durable and nondurable goods sectors. The increase in durable goods orders of 2.1 percent was caused by a large increase in the defense capital goods category. Excluding the defense orders, durable goods industries showed a 2.2%decline, the first since last July.

Within the major durable industry groups, both electrical and nonelectrical machinery increased from February; nonelectrical machinery showed a $1.0 billion or 5.7 percent increase while electrical machinery was up $0.6 billion or 3.7 percent. Transportation equipment increased $1.6 billion or 6.0 percent as large defense orders for aircraft and parts more than offset declines in commercial aircraft and parts and motor vehicles and parts. Primary metals orders declined in March $0.2 billion or 1.4 percent, the fourth consecutive monthly decline.

The increase in nondurable goods orders of 2.4 percent was mostly attributable to petroleum and foods products. For most of nondurable goods, new orders are considered to be equal to shipments for that month.

SHIPMENTS. Most of the 1.7 percent increase in shipments of manufactured goods in March came in the nondurable goods sector, which was up $2.5 billion or 2.9 percent to $91.3 billion. The largest increase was in petroleum products, which was up $1.4 billion or 8.8 percent to $17.1 billion. Petroleum products shipments had shown a downward trend between February 1981 when they were estimated at $19.2 billion, and February 1983 at $14.1 billion. During the succeeding 12 months they were relatively flat at about $16.0 billion per month.

Shipments in the durable goods sector increased $0.6 billion or 0.7 percent as gains in the machinery industries totaling $1.4 billion or 4.7 percent and primary metals of $0.7 billion or 6.0 percent more than offset a decline in transportation equipment of $1.1 billion or 4.7 percent.

UNFILLED ORDERS. The increase in unfilled orders at the end of March of $7.4 billion or 2.2 percent reflected increases in most of the major durable goods industries except primary and fabricated metals. The largest gains were in transportation equipment, up $5.2 billion or 3.8 percent, electrical machinery up $1.6 billion or 2.2 percent, and nonelectrical machinery up $1.2 billion or 2.0 percent.

The capital goods industries showed an orders backlog jump of $7.2 billion or 3.0 percent to $250.1 billion. Over the last year the defense portion increased 18.2 percent or 1.5 percent per month while the nondefense portion increased 8.8 percent or 0.7 percent per month.

INVENTORIES. Inventory increases in March totaling 1.2 percent were widespread. The durable goods sector increased $2.6 billion or 1.5 percent to $175.8 billion while the nondurable sector was up $0.6 billion or 0.6 percent to $91.4 billion. In February when inventories were also up 1.2 percent, the durable goods sector accounted for a 1.0 percent increase while nondurable goods were up 1.7 percent. By stage of fabrication, inventories of materials and supplies in March increased 0.7 percent, work in process increased 1.9 percent and finished goods increased 1.0 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for April is scheduled for release on May 22, 1984 at 8:30 A.M. and the full report on May 31, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	1984[p]	1983
	All manufacturing industries	188,177	185,005	184,406	186,352	+1.7	+0.3	-1.0	197,324	186,655	169,717	179,624	553,696	475,390
	Manufacturing industries with unfilled orders	98,362	97,119	96,341	98,048	+1.3	+0.8	-1.7	104,057	98,014	87,779	95,787	289,850	244,156
	Durable goods industries	96,923	96,297	95,283	96,351	+0.7	+1.1	-1.1	103,644	96,948	85,815	92,344	286,407	233,573
	With unfilled orders	78,500	77,261	76,415	78,265	+1.6	+1.1	-2.4	83,503	77,966	69,131	76,706	230,600	192,064
32	Stone, clay, and glass products	4,451	4,634	4,462	4,250	-3.9	+3.9	+5.0	4,502	4,328	3,758	3,734	12,588	10,804
322	Glass containers	366	398	362	374	-8.0	+9.9	-3.2	393	375	332	326	1,100	1,186
33	Primary metals	11,631	10,973	10,783	11,964	+6.0	+1.8	-9.9	12,469	11,457	10,526	10,932	34,452	26,657
331	Blast furnaces, steel mills	4,802	4,565	4,335	4,796	+5.2	+5.3	-9.6	5,267	4,789	4,300	4,476	14,356	10,958
333-9	Nonferrous and other primary metals	5,564	5,176	5,164	5,948	+7.5	+0.2	-13.2	5,870	5,403	5,019	5,419	16,292	13,254
34	Fabricated metal products	11,088	11,083	10,904	10,889	0.0	+1.6	+0.1	11,705	11,121	9,891	10,006	32,717	27,783
341	Metal cans, barrels, and drums	903	874	864	901	+3.3	+1.2	-4.1	911	858	744	752	2,513	2,596
35	Machinery, except electrical	16,997	16,481	16,327	16,444	+3.1	+0.9	-0.7	18,466	16,717	14,429	17,546	49,612	40,954
351	Engines and turbines	1,201	1,141	1,151	1,138	+5.3	-0.9	+1.1	1,378	1,217	1,103	1,084	3,698	2,942
352	Farm machinery and equipment	944	977	851	1,021	-3.4	+14.8	-16.7	1,132	969	800	869	2,901	2,636
353	Construction, mining, and material handling equipment	2,552	2,412	2,543	2,732	+5.8	-5.2	-6.9	2,662	2,564	2,329	2,707	7,555	6,227
354	Metalworking machinery	767	750	780	712	+2.3	-3.8	+9.6	854	789	692	731	2,335	1,953
356	General industrial machinery	1,370	1,389	1,401	1,349	-1.4	-0.9	+3.9	1,430	1,410	1,254	1,390	4,094	3,509
357	Office and computing machines	4,530	4,096	4,135	4,009	+10.6	-0.9	+3.1	4,847	3,826	3,118	5,621	11,791	10,144
36	Electrical machinery	15,148	14,216	14,327	14,579	+6.6	-0.8	-1.7	15,808	14,435	13,129	14,330	43,372	36,388
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,095	1,903	1,931	2,024	+10.1	-1.5	-4.6	2,251	1,983	1,817	1,989	6,051	5,362
363	Household appliances	1,416	1,362	1,514	1,221	+4.0	-10.0	+24.0	1,494	1,373	1,308	1,113	4,175	3,470
365	Radio and TV	895	782	935	758	+14.5	-16.4	+23.4	858	777	790	767	2,425	1,871
366	Communication equipment	4,622	4,209	3,956	4,812	+9.8	+6.4	-17.8	4,916	4,202	3,602	4,939	12,720	11,456
367	Electronic components	3,689	3,500	3,420	3,255	+5.4	+2.3	+5.1	3,788	3,601	3,208	3,070	10,597	8,218
37	Transportation equipment	23,119	24,257	24,223	23,531	-4.7	+0.1	+2.9	25,538	24,529	21,819	22,014	71,886	55,438
371	Motor vehicles and parts	15,844	16,540	16,761	15,602	-4.2	-1.3	+7.4	17,584	16,865	15,372	13,222	49,821	33,909
372,6	Aircraft, missiles, and parts	5,646	6,060	5,894	6,192	-6.8	+2.8	-4.8	6,147	5,997	5,002	7,009	17,146	17,050
3731,95	Shipbuilding and military tank vehicles	856	879	781	992	-2.6	+12.5	-21.3	891	833	722	1,113	2,446	2,555
38	Instruments and related products	4,499	4,426	4,490	4,568	+1.6	-1.4	-1.7	4,755	4,333	4,041	4,674	13,129	11,723
381-4	Scientific and engineering instruments	2,679	2,600	2,686	2,614	+3.0	-3.2	+2.8	2,878	2,590	2,527	2,707	7,995	7,023
386	Photographic goods	1,650	1,640	1,620	1,769	+0.6	+1.2	-8.4	1,693	1,557	1,358	1,804	4,608	4,129
24,25, 39	All other durable goods	9,990	10,227	9,767	10,126	-2.3	+4.7	-3.5	10,401	10,028	8,222	9,108	28,651	23,826
	Nondurable goods industries	91,254	88,708	89,123	90,001	+2.9	-0.5	-1.0	93,680	89,707	83,902	87,280	267,289	241,817
	With unfilled orders	19,862	19,858	19,926	19,783	0.0	-0.3	+0.7	20,554	20,048	18,648	19,081	59,250	52,092
20	Food and kindred products	24,699	23,998	24,542	24,502	+2.9	-2.2	+0.2	25,402	24,300	22,701	24,344	72,403	69,454
201	Meat products	5,961	5,864	5,810	5,821	+1.7	+0.9	-0.2	5,782	5,735	5,601	5,845	17,118	16,366
208	Beverages	3,546	3,666	3,423	3,421	-3.3	+7.1	+0.1	3,482	3,267	2,889	3,045	9,638	9,493
207	Fats and oils	1,312	1,280	1,479	1,360	+2.5	-13.5	+8.8	1,395	1,355	1,469	1,395	4,219	3,939
203-6,9	All other foods	10,700	10,051	10,574	10,790	+6.5	-4.9	-2.0	11,534	10,493	9,675	11,007	31,702	30,395
21	Tobacco products	1,617	1,349	1,137	1,618	+19.9	+18.6	-29.7	1,502	1,241	1,035	1,771	3,778	3,226
22	Textile mill products	4,717	4,787	4,770	4,806	-1.5	+0.4	-0.7	5,196	4,771	4,202	4,496	14,169	11,951
26	Paper and allied products	7,737	7,797	7,743	7,701	-0.8	+0.7	+0.5	8,107	8,024	7,459	7,135	23,590	20,377
261-3,6	Pulp, paper etc	3,378	3,398	3,347	3,340	-0.6	+1.5	+0.2	3,565	3,495	3,171	3,086	10,231	8,609
265	Paperboard containers	1,755	1,673	1,787	1,696	+4.9	-6.4	+5.4	1,844	1,727	1,682	1,538	5,253	4,561
264	All other paper products	2,604	2,726	2,609	2,665	-4.5	+4.5	-2.1	2,698	2,802	2,606	2,511	8,106	7,207
28	Chemicals and allied products	17,361	17,159	17,088	17,329	+1.2	+0.4	-1.4	18,822	17,486	16,485	16,706	52,793	44,888
281,6	Industrial chemicals, except pigments	5,359	5,618	5,607	5,421	-4.6	+0.2	+3.4	5,953	5,837	5,281	5,329	17,071	13,703
283,4	Drugs, soaps, and toiletries	4,490	4,276	4,334	4,422	+5.0	-1.3	-2.0	4,759	4,301	4,134	4,463	13,194	12,419
29	Petroleum and coal products	17,138	15,751	15,699	16,093	+8.8	+0.3	-2.4	16,672	15,825	15,582	16,412	48,079	44,228
30	Rubber and plastics products	4,385	4,320	4,264	4,567	+1.5	+1.3	-6.6	4,440	4,340	3,985	4,095	12,765	11,812
23,27, 31	All other nondurable goods	13,600	13,547	13,880	13,385	+0.4	-2.4	+3.7	13,539	13,720	12,453	12,321	39,712	35,881
	Market categories:													
	Home goods and apparel	13,144	13,070	13,289	12,878	+0.6	-1.6	+3.2	13,640	13,330	11,296	10,930	38,266	32,970
	Consumer staples	33,743	32,477	32,856	33,349	+3.9	-1.2	-1.5	34,416	32,548	30,269	33,389	97,233	92,087
	Equipment and defense products, except automotive	27,046	26,409	25,971	27,441	+2.4	+1.7	-5.4	29,063	26,301	22,771	29,872	78,135	69,306
	Automotive equipment	17,965	18,594	18,818	17,775	-3.4	-1.2	+5.9	19,849	18,836	17,128	15,025	55,813	38,980
	Construction materials, supplies and intermediate products	14,158	14,643	13,959	13,919	-3.3	+4.9	+0.3	14,342	13,803	11,699	12,645	39,844	34,165
	Other materials, supplies, and intermediate products	82,121	79,812	79,513	80,990	+2.9	+0.4	-1.8	86,014	81,837	76,554	77,763	244,405	207,882
	Supplementary series:[2]													
	Capital goods industries	30,832	30,010	29,810	31,123	+2.7	+0.7	-4.2	33,073	30,186	26,361	33,602	89,620	78,840
	Nondefense	25,098	24,158	24,092	25,445	+3.9	+0.3	-5.3	27,043	24,394	21,320	27,432	72,757	63,523
	Defense	5,734	5,852	5,718	5,678	-2.0	+2.3	+0.7	6,030	5,792	5,041	6,170	16,863	15,317
	Household durable goods industries	6,102	5,930	5,989	5,855	+2.9	-1.0	+2.3	6,458	5,978	5,092	5,299	17,528	14,524

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	1984[p]	1983
	All manufacturing industries	195,558	191,336	188,671	188,374	+2.2	+1.4	+0.2	206,950	194,643	178,284	184,379	579,877	486,388
	Manufacturing industries with unfilled orders	105,743	103,450	100,606	100,070	+2.2	+2.8	+0.5	113,683	106,002	96,346	100,542	316,031	255,154
	Durable goods industries	104,465	102,345	99,439	98,444	+2.1	+2.9	+1.0	113,313	104,611	94,005	97,124	311,929	243,752
	With unfilled orders	86,042	83,309	80,571	80,358	+3.3	+3.4	+0.3	93,172	85,629	77,321	81,486	256,122	202,243
32	Stone, clay, and glass products	4,564	4,763	4,557	4,252	-4.2	+4.5	+7.2	4,608	4,512	3,917	3,685	13,037	11,004
33	Primary metals	11,280	11,442	11,622	11,809	-1.4	-1.5	-1.6	12,476	12,672	12,184	11,217	37,332	29,874
331	Blast furnaces, steel mills	4,711	4,773	4,848	4,836	-1.3	-1.5	+0.2	5,332	5,497	5,345	4,545	16,174	12,744
333-9	Nonferrous and other primary metals	5,239	5,316	5,361	5,683	-1.4	-0.8	-5.7	5,737	5,760	5,473	5,530	16,970	14,578
34	Fabricated metal products	10,983	11,411	10,986	10,779	-3.8	+3.9	+1.9	12,041	11,542	10,117	9,837	33,700	28,072
35	Machinery, except electrical	18,196	17,215	17,159	16,415	+5.7	+0.3	+4.5	19,314	17,527	16,119	17,932	52,960	39,947
351	Engines and turbines	1,163	1,086	1,070	1,141	+7.1	+1.5	-6.2	1,323	1,220	992	895	3,535	2,635
353	Construction, mining, and material handling equipment	2,699	2,489	2,585	2,755	+8.4	-3.7	-6.2	2,794	2,775	2,417	2,696	7,986	6,014
354	Metalworking machinery	866	859	850	695	+0.8	+1.1	+22.3	942	885	798	637	2,625	1,708
356	General industrial machinery	1,347	1,364	1,388	1,374	-1.2	-1.7	+1.0	1,407	1,409	1,389	1,372	4,205	3,459
357	Office and computing machines	5,076	4,790	4,504	3,898	+6.0	+6.3	+15.5	5,138	4,260	3,856	6,316	13,254	9,635
36	Electrical machinery	16,746	16,143	15,658	15,369	+3.7	+3.1	+1.9	17,694	17,023	15,056	15,222	49,773	38,952
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,054	2,011	1,927	1,698	+2.1	+4.4	+13.5	2,238	2,156	1,918	1,609	6,312	5,337
363	Household appliances	1,398	1,323	1,521	1,233	+5.7	-13.0	+23.4	1,489	1,343	1,383	1,138	4,215	3,587
365	Radio and TV	814	1,081	915	833	-24.7	+18.1	+9.8	727	1,077	744	863	2,548	1,779
366	Communication equipment	5,546	5,298	4,535	5,109	+4.7	+16.8	-11.2	6,069	5,495	4,461	5,515	16,025	12,986
367	Electronic components	4,490	3,960	4,186	3,916	+13.4	-5.4	+6.9	4,654	4,438	4,132	3,603	13,224	9,182
37	Transportation equipment	28,298	26,702	24,931	25,167	+6.0	+7.1	-0.9	31,800	26,799	23,866	25,733	82,465	59,524
372,6	Aircraft, missiles, and parts	11,217	7,487	6,423	8,477	+49.8	+16.6	-24.2	13,081	7,154	6,366	11,014	26,601	20,961
731,95	Shipbuilding and military tank vehicles	491	1,669	621	-20	-70.6	+168.8	(n)	377	1,723	847	324	2,947	2,661
38	Instruments and related products	4,610	4,315	4,593	4,613	+6.8	-6.1	-0.4	4,932	4,276	4,232	4,731	13,440	11,987
4,25, 39	All other durable goods	9,788	10,354	9,933	10,040	-5.5	+4.2	-1.1	10,448	10,260	8,514	8,767	29,222	24,392
	Nondurable goods industries	91,093	88,991	89,232	89,930	+2.4	-0.3	-0.8	93,637	90,032	84,279	87,255	267,948	242,636
	With unfilled orders	19,701	20,141	20,035	19,712	-2.2	+0.5	+1.6	20,511	20,373	19,025	19,056	59,909	52,911
	Market categories:													
	Home goods and apparel	12,928	13,440	13,591	13,024	-3.8	-1.1	+4.4	13,671	13,774	11,638	10,933	39,083	33,447
	Consumer staples	33,696	32,500	32,839	33,330	+3.7	-1.0	-1.5	34,345	32,538	30,352	33,365	97,235	92,102
	Equipment and defense products, except automotive	33,377	30,335	27,558	27,589	+10.0	+10.1	-0.1	36,457	30,178	26,849	32,594	93,484	72,183
	Automotive equipment	17,852	18,791	19,042	18,060	-5.0	-1.3	+5.4	19,596	19,026	17,561	15,470	56,183	39,036
	Construction materials, supplies and intermediate products	14,180	14,773	13,937	13,824	-4.0	+6.0	+0.8	14,646	14,081	11,802	12,296	40,529	34,794
	Other materials, supplies, and intermediate products	83,525	81,497	81,704	82,547	+2.5	-0.3	-1.0	88,235	85,046	80,082	79,721	253,363	214,826
	Supplementary series:[2]													
	Capital goods industries	38,061	34,307	31,701	32,493	+10.9	+8.2	-2.4	41,614	34,592	30,604	37,529	106,810	83,500
	Nondefense	26,581	27,018	25,093	24,893	-1.6	+7.7	+0.8	28,878	26,714	24,216	26,967	79,808	60,900
	Defense	11,480	7,289	6,608	7,600	+57.5	+10.3	-13.1	12,736	7,878	6,388	10,562	27,002	22,600
	Household durable goods industries	5,859	6,249	6,299	5,980	-6.2	-0.8	+5.3	6,438	6,410	5,456	5,280	18,304	15,001

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Note: The December through March data presented in this report are consistent with the revised seasonally adjusted data released April 20, 1984 by the Department of Commerce in the M3-1.13 "Manufacturers' Shipments, Inventories, and Orders: 1977-1983." These revisions reflect recomputation of seasonal factors based on data through 1983, historical corrections to the unfilled orders estimates for the steel industry, and corrections for data received too late to include in prior monthly publications.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	Mar. 1983
	All manufacturing industries..	348,105	340,725	334,385	330,122	+2.2	+1.9	+1.3	354,133	344,503	336,515	327,947	305,145
	Durable goods industries.....	337,055	329,512	323,457	319,303	+2.3	+1.9	+1.3	342,952	333,278	325,614	317,423	295,445
32	Stone, clay, and glass products...	2,378	2,265	2,135	2,040	+5.0	+6.1	+4.7	2,392	2,285	2,103	1,944	1,855
33	Primary metals.....	21,776	22,127	21,656	20,817	-1.6	+2.2	+4.0	23,190	23,182	21,966	20,308	18,035
331	Blast furnaces, steel mills.....	10,725	10,816	10,607	10,094	-0.8	+2.0	+5.1	11,508	11,443	10,735	9,690	8,383
333-9	Nonferrous and other primary metals.....	8,208	8,533	8,392	8,195	-3.8	+1.7	+2.4	8,750	8,883	8,526	8,072	7,387
34	Fabricated metal products.....	20,836	20,942	20,616	20,534	-0.5	+1.6	+0.4	21,108	20,772	20,351	20,125	21,529
35	Machinery, except electrical.....	61,131	59,930	59,195	58,363	+2.0	+1.2	+1.4	61,487	60,638	59,826	58,136	54,522
351	Engines and turbines.....	14,553	14,591	14,646	14,727	-0.3	-0.4	-0.6	14,558	14,613	14,610	14,721	14,752
353	Construction, mining, and material handling equipment....	5,987	5,839	5,762	5,719	+2.5	+1.3	+0.8	6,101	5,968	5,756	5,668	5,418
354	Metalworking machinery.....	2,701	2,601	2,492	2,422	+3.8	+4.4	+2.9	2,663	2,575	2,480	2,374	2,151
356	General industrial machinery....	4,715	4,738	4,762	4,776	-0.5	-0.5	-0.3	4,758	4,781	4,781	4,647	4,642
357	Office and computing machines...	21,675	21,129	20,435	20,066	+2.6	+3.4	+1.8	21,610	21,319	20,884	20,146	17,634
36	Electrical machinery.....	74,855	73,254	71,325	69,996	+2.2	+2.7	+1.9	75,567	73,680	71,093	69,166	62,173
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,442	6,483	6,374	6,379	-0.6	+1.7	-0.1	6,499	6,513	6,340	6,240	6,737
363	Household appliances.....	487	505	544	537	-3.6	-7.2	+1.3	502	507	537	461	423
365	Radio and TV.....	595	675	376	396	-11.9	+79.5	-5.1	520	650	350	396	314
366	Communication equipment.....	44,856	43,931	42,842	42,264	+2.1	+2.5	+1.4	45,498	44,344	43,051	42,192	40,037
367	Electronic components.....	21,012	20,210	19,749	18,983	+4.0	+2.3	+4.0	21,096	20,230	19,394	18,470	13,382
37	Transportation equipment.....	142,798	137,621	135,174	134,467	+3.8	+1.8	+0.5	145,914	139,651	137,382	135,334	125,912
372,6	Aircraft, missiles, and parts...	111,416	105,846	104,419	103,890	+5.3	+1.4	+0.5	113,786	106,852	105,695	104,330	97,261
3731,95	Shipbuilding and military tank vehicles.....	22,628	22,994	22,202	22,363	-1.6	+3.6	-0.7	23,158	23,671	22,781	22,656	22,831
38	Instruments and related products..	7,866	7,756	7,868	7,765	+1.4	-1.4	+1.3	7,964	7,787	7,844	7,653	7,240
24,25, 39	All other durable goods.....	5,415	5,617	5,488	5,321	-3.6	+2.4	+3.1	5,330	5,283	5,049	4,757	4,179
	Nondurable goods industries.....	11,050	11,213	10,928	10,819	-1.5	+2.6	+1.0	11,181	11,225	10,901	10,524	9,700
	Market categories:												
	Home goods and apparel.....	4,692	4,909	4,537	4,234	-4.4	+8.2	+7.2	4,534	4,501	4,056	3,713	3,484
	Consumer staples.....	687	735	711	728	-6.5	+3.4	-2.3	701	772	782	699	780
	Equipment and defense products, except automotive.....	208,498	202,168	198,240	196,656	+3.1	+2.0	+0.8	212,238	204,840	200,964	196,885	185,896
	Automotive equipment.....	7,926	8,039	7,842	7,618	-1.4	+2.5	+2.9	8,148	8,401	8,211	7,778	5,407
	Construction materials, supplies and intermediate products.....	12,406	12,385	12,254	12,276	+0.2	+1.1	-0.2	12,535	12,231	11,954	11,851	13,076
	Other materials, supplies, and intermediate products.....	113,896	112,489	110,801	108,610	+1.3	+1.5	+2.0	115,977	113,758	110,548	107,021	96,502
	Supplementary series:[2]												
	Capital goods industries.....	250,119	242,889	238,591	236,703	+3.0	+1.8	+0.8	254,102	245,558	241,153	236,910	224,35
	Nondefense.....	129,285	127,802	124,941	123,942	+1.2	+2.3	+0.8	130,156	128,318	125,998	123,102	119,65
	Defense.....	120,834	115,087	113,650	112,761	+5.0	+1.3	+0.8	123,946	117,240	115,155	113,808	104,69
	Household durable goods industries.....	4,104	4,346	4,026	3,715	-5.6	+7.9	+8.4	3,982	4,000	3,567	3,202	3,07

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar.[p] 1984	Feb.[p] 1984	Jan. 1984	Dec. 1983	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar.[p] 1984	Feb.[p] 1984	Jan. 1984	Dec. 1983	Mar. 1983
	All manufacturing industries..	267,236	264,074	260,884	260,426	+1.2	+1.2	+0.2	268,639	265,548	260,807	257,601	259,225
	Manufacturing industries with unfilled orders.....	182,470	179,740	178,084	177,866	+1.5	+0.9	+0.1	183,311	180,249	176,837	175,219	177,480
	Durable goods industries.....	175,794	173,203	171,549	171,571	+1.5	+1.0	0.0	176,957	174,288	170,750	169,023	171,286
	With unfilled orders.....	160,251	157,731	156,173	156,186	+1.6	+1.0	0.0	160,959	158,317	155,301	154,078	156,932
2	Stone, clay, and glass products...	5,682	5,596	5,600	5,677	+1.5	-0.1	-1.4	5,844	5,751	5,590	5,588	5,970
22	Glass containers.....	648	631	629	647	+2.7	+0.3	-2.8	651	636	610	625	652
3	Primary metals.....	19,868	19,434	19,009	19,228	+2.2	+2.2	-1.1	19,875	19,615	19,269	19,226	20,298
31	Blast furnaces, steel mills.....	9,291	9,139	8,893	9,122	+1.7	+2.8	-2.5	9,050	9,112	9,070	9,287	9,603
33-9	Nonferrous and other primary metals.....	9,303	9,031	8,884	8,895	+3.0	+1.7	-0.1	9,517	9,220	8,973	8,735	9,520
4	Fabricated metal products.....	18,007	17,892	17,765	17,819	+0.6	+0.7	-0.3	18,336	18,115	17,686	17,353	17,500
41	Metal cans, barrels, and drums..	2,114	2,095	2,148	2,255	+0.9	-2.5	-4.7	2,300	2,240	2,165	1,940	2,062
5	Machinery, except electrical.....	37,500	37,089	36,922	36,711	+1.1	+0.5	+0.6	37,528	37,254	36,706	36,284	39,029
51	Engines and turbines.....	2,155	2,107	2,040	2,004	+2.3	+3.3	+1.8	2,146	2,138	2,059	2,023	2,221
52	Farm machinery and equipment....	1,859	1,962	1,983	1,917	-5.2	-1.1	+3.4	1,935	2,041	1,961	1,877	1,997
53	Construction, mining, and material handling equipment....	7,028	7,046	7,162	7,175	-0.3	-1.6	-0.2	7,070	7,060	7,119	7,090	8,642
54	Metalworking machinery.....	2,314	2,265	2,262	2,244	+2.2	+0.1	+0.8	2,289	2,272	2,249	2,218	2,279
56	General industrial machinery....	3,481	3,487	3,484	3,581	-0.2	+0.1	-2.7	3,509	3,526	3,512	3,535	3,984
57	Office and computing machines...	10,352	10,096	9,884	9,907	+2.5	+2.1	-0.2	10,197	10,025	9,756	9,799	9,668
5	Electrical machinery.....	28,932	28,471	28,127	28,154	+1.6	+1.2	-0.1	29,050	28,364	27,727	27,667	26,292
51,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,227	4,211	4,174	4,101	+0.4	+0.9	+1.8	4,191	4,191	4,095	4,047	3,985
53	Household appliances.....	2,235	2,094	1,989	2,033	+6.7	+5.3	-2.2	2,290	2,113	1,961	1,965	1,879
55	Radio and TV.....	1,075	1,059	1,001	1,028	+1.5	+5.8	-2.6	1,044	1,023	961	994	952
56	Communication equipment.....	11,408	11,188	11,176	11,208	+2.0	+0.1	-0.3	11,509	11,181	11,090	11,039	10,188
57	Electronic components.....	5,794	5,800	5,689	5,633	-0.1	+2.0	+1.0	5,806	5,766	5,604	5,628	5,388
7	Transportation equipment.....	42,120	41,206	40,716	40,528	+2.2	+1.2	+0.5	42,439	41,591	40,505	39,975	39,539
71	Motor vehicles and parts.....	9,971	9,751	9,617	9,460	+2.3	+1.4	+1.7	10,061	9,931	9,702	9,311	8,239
72,6	Aircraft, missiles, and parts...	29,278	28,664	28,296	28,153	+2.1	+1.3	+0.5	29,476	28,773	27,927	27,684	28,299
731,95	Shipbuilding and military tank vehicles.....	1,312	1,253	1,314	1,390	+4.7	-4.6	-5.5	1,316	1,268	1,299	1,366	1,590
8	Instruments and related products..	9,043	9,020	8,828	9,014	+0.3	+2.2	-2.1	9,085	8,979	8,736	8,805	8,900
81-4	Scientific and engineering instruments.....	6,491	6,498	6,339	6,404	-0.1	+2.5	-1.0	6,530	6,478	6,295	6,302	6,466
86	Photographic goods.....	2,014	1,989	1,951	2,080	+1.3	+1.9	-6.2	2,016	1,973	1,906	1,975	1,936
9,25, 99	All other durable goods.....	14,642	14,495	14,582	14,440	+1.0	-0.6	+1.0	14,800	14,619	14,531	14,125	13,758
	Nondurable goods industries.....	91,442	90,871	89,335	88,855	+0.6	+1.7	+0.5	91,682	91,260	90,057	88,578	87,939
	With unfilled orders.....	22,219	22,009	21,911	21,680	+1.0	+0.4	+1.1	22,352	21,932	21,536	21,141	20,548
1	Food and kindred products.....	21,670	21,354	20,996	20,797	+1.5	+1.7	+1.0	21,331	21,578	21,713	21,441	20,352
11	Meat products.....	2,195	2,133	2,116	2,099	+2.9	+0.8	+0.8	2,228	2,191	2,139	2,016	2,053
18	Beverages.....	3,329	3,375	3,358	3,307	-1.4	+0.5	+1.5	3,448	3,477	3,428	3,348	3,694
17	Fats and oils.....	1,755	1,795	1,735	1,775	-2.2	+3.5	-2.3	1,804	1,965	1,980	2,010	1,321
13-6,9	All other foods.....	12,591	12,314	12,070	11,888	+2.2	+2.0	+1.5	12,075	12,227	12,456	12,400	11,613
	Tobacco products.....	3,745	3,831	3,870	3,931	-2.2	-1.0	-1.6	3,850	4,019	4,145	4,148	4,336
	Textile mill products.....	7,046	6,960	6,951	6,899	+1.2	+0.1	+0.8	7,200	7,100	6,981	6,769	6,338
	Paper and allied products.....	8,919	8,898	8,829	8,729	+0.2	+0.8	+1.1	8,998	8,863	8,690	8,619	8,459
1-3,6	Pulp, paper etc.....	3,291	3,293	3,257	3,263	-0.1	+1.1	-0.2	3,304	3,281	3,220	3,253	3,307
5	Paperboard containers.....	2,422	2,396	2,343	2,317	+1.1	+2.3	+1.1	2,422	2,364	2,301	2,297	2,173
4	All other paper products.....	3,206	3,209	3,229	3,149	-0.1	-0.6	+2.5	3,272	3,218	3,169	3,069	2,979
	Chemicals and allied products.....	20,137	19,840	19,509	19,582	+1.5	+1.7	-0.4	20,384	20,193	19,733	19,524	19,693
1,6	Industrial chemicals, except pigments.....	6,174	6,100	5,938	5,850	+1.2	+2.7	+1.5	6,168	6,143	6,039	5,839	5,925
3,4	Drugs, soaps, and toiletries.....	6,411	6,395	6,318	6,211	+0.3	+1.2	+1.7	6,411	6,388	6,248	6,088	6,192
	Petroleum and coal products.....	8,222	8,739	8,165	8,232	-5.9	+7.0	-0.8	8,186	8,497	8,216	8,120	8,753
	Rubber and plastics products.....	5,924	5,797	5,684	5,673	+2.2	+2.0	+0.2	6,086	5,855	5,686	5,595	5,805
27, 1	All other nondurable goods.....	15,779	15,452	15,331	15,012	+2.1	+0.8	+2.1	15,647	15,155	14,893	14,362	14,203
	Market categories:												
	Home goods and apparel.....	21,814	21,365	21,283	20,946	+2.1	+0.4	+1.6	21,810	21,231	20,930	20,246	19,786
	Consumer staples.....	33,107	32,865	32,497	32,143	+0.7	+1.1	+1.1	32,869	33,040	33,091	32,545	32,599
	Equipment and defense products, except automotive.....	74,914	74,025	73,445	73,257	+1.2	+0.8	+0.3	75,330	74,253	72,878	72,355	74,772
	Automotive equipment.....	12,153	11,945	11,720	11,626	+1.7	+1.9	+0.8	12,347	12,238	11,899	11,530	10,341
	Construction materials, supplies and intermediate products.....	19,348	19,199	19,047	19,134	+0.8	+0.8	-0.5	19,831	19,559	18,985	18,869	19,130
	Other materials, supplies, and intermediate products.....	105,900	104,675	102,892	103,320	+1.2	+1.7	-0.4	106,452	105,227	103,024	102,056	102,597
	Supplementary series:[2]												
	Capital goods industries.....	85,318	83,839	83,278	83,191	+1.8	+0.7	+0.1	85,582	83,998	82,465	81,885	84,449
	Nondefense.....	66,721	65,622	65,466	65,432	+1.7	+0.2	+0.1	66,768	65,806	64,975	64,330	67,476
	Defense.....	18,597	18,217	17,812	17,759	+2.1	+2.3	+0.3	18,814	18,192	17,490	17,555	16,973
	Household durable goods industries.....	10,415	10,161	10,144	10,093	+2.5	+0.2	+0.5	10,450	10,165	10,003	9,812	9,721

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1984[p]	Feb. 1984[r]	Jan. 1984	Dec. 1983	Mar. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,887	89,291	88,396	87,706	+0.7	+1.0	+0.8	90,298	89,684	89,015	88,265	85,461
	Durable goods industries.....	53,001	52,228	51,910	51,640	+1.5	+0.6	+0.5	52,901	52,299	51,911	51,607	50,317
32	Stone, clay, and glass products...	1,862	1,847	1,840	1,863	+0.8	+0.4	-1.2	1,871	1,860	1,859	1,896	2,002
33	Primary metals.....	6,392	6,261	6,255	6,425	+2.1	+0.1	-2.6	6,288	6,302	6,417	6,669	7,085
34	Fabricated metal products.....	7,089	7,051	6,926	6,923	+0.5	+1.8	0.0	7,186	7,086	6,955	6,871	6,646
35	Machinery, except electrical.....	10,944	10,701	10,640	10,396	+2.3	+0.6	+2.3	10,894	10,730	10,631	10,376	11,018
36	Electrical Machinery.....	8,023	7,892	7,731	7,805	+1.7	+2.1	-0.9	7,946	7,829	7,707	7,711	7,225
37	Transportation equipment.....	10,813	10,664	10,708	10,250	+1.4	-0.4	+4.5	10,853	10,693	10,519	10,131	8,886
38	Instruments and related products..	2,545	2,513	2,388	2,484	+1.3	+5.2	-3.9	2,576	2,505	2,387	2,484	2,576
24,25, 39	All other durable goods.....	5,333	5,299	5,422	5,494	+0.6	-2.3	-1.3	5,287	5,294	5,436	5,469	4,879
	Nondurable goods industries.....	36,886	37,063	36,486	36,066	-0.5	+1.6	+1.2	37,397	37,385	37,104	36,658	35,144
20	Food and kindred products.....	8,205	8,526	8,299	8,301	-3.8	+2.7	0.0	8,406	8,750	8,692	8,621	7,878
21	Tobacco products.....	3,263	3,318	3,263	3,393	-1.7	+1.7	-3.8	3,364	3,504	3,599	3,666	3,882
22	Textile mill products.....	2,190	2,220	2,127	2,103	-1.4	+4.4	+1.1	2,270	2,253	2,177	2,106	1,911
26	Paper and allied products.....	4,627	4,569	4,488	4,396	+1.3	+1.8	+2.1	4,636	4,527	4,442	4,453	4,195
28	Chemicals and allied products.....	7,817	7,767	7,715	7,646	+0.6	+0.7	+0.9	7,922	7,820	7,762	7,635	7,501
29	Petroleum and coal products.....	2,219	2,214	2,338	2,188	+0.2	-5.3	+6.9	2,204	2,178	2,291	2,145	2,375
30	Rubber and plastics products.....	2,301	2,260	2,143	2,134	+1.8	+5.5	+0.4	2,288	2,216	2,160	2,204	1,935
23,27, 31	All other nondurable goods.....	6,264	6,189	6,113	5,967	+1.2	+1.2	+2.4	6,307	6,137	5,981	5,826	5,465
	WORK IN PROCESS												
	All manufacturing industries..	94,687	92,912	91,714	91,857	+1.9	+1.3	-0.2	95,215	93,431	91,243	90,033	90,916
	Durable goods industries.....	79,799	78,173	77,058	77,372	+2.1	+1.4	-0.4	80,329	78,723	76,774	75,954	76,691
32	Stone, clay, and glass products...	770	791	794	802	-2.7	-0.4	-1.0	818	831	779	763	882
33	Primary metals.....	7,738	7,529	7,252	7,425	+2.8	+3.8	-2.3	7,697	7,570	7,373	7,233	7,308
34	Fabricated metal products.....	6,260	6,152	6,173	6,209	+1.8	-0.3	-0.6	6,401	6,232	6,064	5,914	6,089
35	Machinery, except electrical.....	15,656	15,142	15,002	15,102	+3.4	+0.9	-0.7	15,664	15,259	15,019	14,952	16,038
36	Electrical Machinery.....	15,306	15,133	14,969	14,856	+1.1	+1.1	+0.8	15,403	15,133	14,756	14,649	13,581
37	Transportation equipment.....	26,563	25,890	25,438	25,487	+2.6	+1.8	-0.2	26,796	26,168	25,392	25,114	25,674
38	Instruments and related products..	3,913	3,917	3,888	4,001	-0.1	+0.7	-2.8	3,947	3,921	3,847	3,893	3,976
24,25, 39	All other durable goods.....	3,593	3,619	3,542	3,490	-0.7	+2.2	+1.5	3,603	3,609	3,544	3,436	3,143
	Nondurable goods industries.....	14,888	14,739	14,656	14,485	+1.0	+0.6	+1.2	14,886	14,708	14,469	14,079	14,225
20	Food and kindred products.....	1,756	1,766	1,752	1,699	-0.6	+0.8	+3.1	1,785	1,807	1,800	1,768	1,819
21	Tobacco products.....	207	229	314	287	-9.6	-27.1	+9.4	191	232	259	251	193
22	Textile mill products.....	2,278	2,232	2,269	2,289	+2.1	-1.6	-0.9	2,293	2,285	2,280	2,247	2,038
26	Paper and allied products.....	1,099	1,109	1,116	1,118	-0.9	-0.6	-0.2	1,098	1,101	1,085	1,067	1,028
28	Chemicals and allied products.....	3,359	3,419	3,282	3,398	-1.8	+4.2	-3.4	3,391	3,425	3,272	3,304	3,301
29	Petroleum and coal products.....	1,582	1,562	1,551	1,477	+1.3	+0.7	+5.0	1,581	1,523	1,517	1,442	1,872
30	Rubber and plastics products.....	1,039	966	969	973	+7.6	-0.3	-0.4	1,040	970	980	949	923
23,27, 31	All other nondurable goods.....	3,568	3,456	3,403	3,195	+3.2	+1.6	+6.5	3,507	3,365	3,276	3,025	3,026
	FINISHED GOODS												
	All manufacturing industries..	82,662	81,871	80,774	80,863	+1.0	+1.4	-0.1	83,126	82,433	80,549	79,303	82,848
	Durable goods industries.....	42,994	42,802	42,581	42,559	+0.4	+0.5	+0.1	43,727	43,266	42,065	41,462	44,278
32	Stone, clay, and glass products...	3,050	2,958	2,966	3,012	+3.1	-0.3	-1.5	3,155	3,060	2,952	2,929	3,086
33	Primary metals.....	5,738	5,644	5,502	5,378	+1.7	+2.6	+2.3	5,890	5,743	5,479	5,324	5,905
34	Fabricated metal products.....	4,658	4,689	4,666	4,687	-0.7	+0.5	-0.4	4,749	4,797	4,667	4,568	4,765
35	Machinery, except electrical.....	10,900	11,246	11,280	11,213	-3.1	-0.3	+0.6	10,970	11,265	11,056	10,956	11,973
36	Electrical Machinery.....	5,603	5,446	5,427	5,493	+2.9	+0.4	-1.2	5,701	5,402	5,264	5,307	5,486
37	Transportation equipment.....	4,744	4,652	4,570	4,791	+2.0	+1.8	-4.6	4,790	4,730	4,594	4,730	4,979
38	Instruments and related products..	2,585	2,590	2,552	2,529	-0.2	+1.5	+0.9	2,562	2,553	2,502	2,428	2,348
24,25, 39	All other durable goods.....	5,716	5,577	5,618	5,456	+2.5	-0.7	+3.0	5,910	5,716	5,551	5,220	5,736
	Nondurable goods industries.....	39,668	39,069	38,193	38,304	+1.5	+2.3	-0.3	39,399	39,167	38,484	37,841	38,570
20	Food and kindred products.....	11,709	11,062	10,945	10,797	+5.8	+1.1	+1.4	11,140	11,021	11,221	11,052	10,655
21	Tobacco products.....	275	284	293	251	-3.2	-3.1	+16.7	295	283	287	231	261
22	Textile mill products.....	2,578	2,508	2,555	2,507	+2.8	-1.8	+1.9	2,637	2,562	2,524	2,416	2,389
26	Paper and allied products.....	3,193	3,220	3,225	3,215	-0.8	-0.2	+0.3	3,264	3,235	3,163	3,099	3,236
28	Chemicals and allied products.....	8,961	8,654	8,512	8,538	+3.5	+1.7	-0.3	9,071	8,948	8,699	8,585	8,891
29	Petroleum and coal products.....	4,421	4,963	4,276	4,567	-10.9	+16.1	-6.4	4,401	4,796	4,408	4,533	4,506
30	Rubber and plastics products.....	2,584	2,571	2,572	2,566	+0.5	0.0	+0.2	2,758	2,669	2,546	2,442	2,947
23,27, 31	All other nondurable goods.....	5,947	5,807	5,815	5,961	+2.4	-0.1	-2.4	5,833	5,653	5,636	5,548	5,704

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Mar. 1984p	Feb. 1984r	Jan. 1984	Dec. 1983	Mar. 1984p	Feb. 1984r	Jan. 1984	Dec. 1983
	All manufacturing industries	1.42	1.43	1.41	1.40	3.54	3.51	3.47	3.37
	Durable goods industries	1.81	1.80	1.80	1.78	4.29	4.26	4.23	4.08
32	Stone, clay, and glass products	1.28	1.21	1.26	1.34	0.58	0.53	0.52	0.53
33	Primary metals	1.71	1.77	1.76	1.61	1.87	2.02	2.01	1.74
34	Fabricated metal products	1.62	1.61	1.63	1.64	2.05	2.05	2.05	2.06
35	Machinery, except electrical	2.21	2.25	2.26	2.23	3.81	3.87	3.82	3.78
36	Electrical machinery	1.91	2.00	1.96	1.93	4.94	5.15	4.98	4.80
37	Transportation equipment	1.82	1.70	1.68	1.72	12.05	10.94	11.09	10.70
38	Instruments and related products	2.01	2.04	1.97	1.97	1.75	1.75	1.75	1.70
	Nondurable goods industries	1.00	1.02	1.00	0.99	0.56	0.56	0.55	0.55
20	Food and kindred products	0.88	0.89	0.86	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	2.32	2.84	3.40	2.43	(X)	(X)	(X)	(X)
22	Textile mill products	1.49	1.45	1.46	1.44	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.15	1.14	1.14	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.16	1.16	1.14	1.13	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.48	0.55	0.52	0.51	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.35	1.34	1.33	1.24	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Mar. 1983	All Mars. 1979-1983	Mar. 1983-Feb. 1984	Year ago Mar. 1983	All Mars. 1979-1983	Mar. 1983-Feb. 1984	Year ago Mar. 1983	All Mars. 1979-1983	Mar. 1983-Feb. 1984	Year ago Mar. 1983	All Mars. 1979-1983	Mar. 1983-Feb. 1984
	All manufacturing industries	0.0	0.2	0.3	0.1	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1
	Durable goods industries	0.2	0.4	0.3	0.3	0.7	0.6	0.3	0.2	0.2	0.1	0.1	0.2
32	Stone, clay, and glass products	0.4	1.1	0.8	0.6	1.2	1.1	0.7	1.8	1.2	0.5	0.8	0.6
33	Primary metals	3.6	1.5	1.1	5.5	3.3	1.7	0.9	0.8	0.4	0.7	0.4	0.2
34	Fabricated metal products	2.4	1.2	0.9	5.9	1.8	1.5	0.9	0.6	0.4	0.5	0.3	0.3
35	Machinery, except electrical	0.4	0.9	0.9	1.4	3.0	1.3	0.2	0.8	0.2	0.2	0.2	0.3
36	Electrical machinery	0.3	0.5	0.9	2.4	1.1	1.4	0.3	0.2	0.2	0.2	0.2	0.2
37	Transportation equipment	3.5	1.1	0.7	5.4	3.4	1.9	1.1	0.5	0.3	0.3	0.5	0.3
38	Instruments and related products	0.2	0.7	0.9	2.6	1.6	1.3	0.7	0.5	0.4	0.7	0.4	0.5
	Nondurable goods industries	0.1	0.4	0.4	0.1	0.3	0.4	0.6	0.8	0.5	0.1	0.4	0.3
20	Food and kindred products	0.1	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.4	0.6
21	Tobacco products	3.2	3.2	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.8	0.2
22	Textile mill products	2.6	1.5	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.7	0.5
26	Paper and allied products	0.3	0.6	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.5	0.5
28	Chemicals and allied products	1.9	1.1	1.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.5
29	Petroleum and coal products	1.4	0.4	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.9	1.3	0.6
30	Rubber and plastics products	2.5	1.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5	0.6
	Capital Goods Industries:												
	Nondefense	1.4	0.7	0.8	6.2	2.8	1.5	0.3	0.4	0.2	0.2	0.1	0.2
	Defense	4.3	1.6	1.1	1.6	5.0	3.0	1.1	0.6	0.3	0.3	0.4	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C3.158:
M3-1(84)-4

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

APRIL 1984

M3-1(84)-4
For Wire Transmission 10:00 A.M.E.D.T. Thursday, May 31, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in April declined $7.0 billion or 3.6 percent from March to $189.1 billion. This is the largest decline since a 3.9 percent decrease in May 1980. About three-fourths of the April decline was due to a drop in the defense capital goods category which had shown a large increase in March.

Shipments of manufactured goods in April declined $1.8 billion or 0.9 percent to $186.7 billion, the first decline since a 1.0 percent decrease in January. Widespread declines in the durable goods sector totaled $2.0 billion or 2.1 percent, while the nondurable goods industries showed offsetting movements resulting in a $0.2 billion or 0.3 percent increase.

Manufacturers' unfilled orders at the end of April were valued at $350.8 billion, up $2.4 billion or 0.7 percent from March. During the prior 12 months unfilled orders had averaged a 1.3 percent increase per month.

The book value of manufacturers' inventories increased $3.1 billion or 1.1 percent in April to $270.4 billion. During the last 3 months inventories have increased nearly $10 billion after remaining relatively stable through 1983 and the beginning of 1984. The inventory to shipments ratio in April moved up to 1.45 from 1.42 in March.

NEW ORDERS. The decrease in new orders in April was totally attributable to the durable goods sector which showed a $7.2 billion or 6.9 percent decline to $97.6 billion. Excluding the decline in defense capital goods, durable goods orders were down 2.2 percent following a 1.8 percent decline in March.

Within the major industries, transportation equipment, electrical machinery and nonelectrical machinery all showed large declines. Transportation equipment was down $4.7 billion or 16.4 percent to $23.8 billion; about three-fourths of the decrease was in aircraft and one-fourth in motor vehicles. Electrical machinery was down $2.1 billion or 12.2 percent to $14.8 billion, with virtually all categories declining. Nonelectrical machinery was down $1.5 billion or 8.0 percent to $16.8 billion, also with virtually all categories declining.

The only significant increase was in primary metals where a $0.5 billion or 4.7 percent gain followed 4 months of declines. The April increase was caused mostly by the nonferrous category.

New orders in the nondurable goods sector showed a slight increase in April, up $0.2 billion or 0.2 percent to $91.5 billion.

SHIPMENTS. Over half of the decline in shipments of durable goods in April came from the transportation equipment industries, where motor vehicles and parts were down $1.3 billion or 8.2 percent to $14.6 billion. This is the third consecutive decline in motor vehicles after reaching a high in January of $16.8 billion. Electrical machinery shipments were down $0.6 billion or 3.7 percent, nonelectrical down $0.2 billion or 1.2 percent and primary metals down $0.4 billion or 3.2 percent. All except transportation equipment had increased in March.

The increase in shipments of nondurable goods of $0.2 billion or 0.3 percent resulted from offsetting movements in the various industries. The largest increases were in chemicals, paper, printing and foods while the largest decreases were in tobacco, apparel and petroleum.

UNFILLED ORDERS. Unfilled orders in the durable goods sector increased $2.7 billion or 0.8 percent to $340.0 billion. The aircraft and parts industry accounted for $2.0 billion of that increase. Of the $113.4 billion of unfilled orders held for aircraft and parts, 58 percent is for defense and 42 percent for commercial or nondefense. The only other large gain in unfilled orders in April was in primary metals which increased $0.7 billion or 3.0 percent to $22.5 billion; most of this was caused by the nonferrous component which was up 6.3 percent following a 3.0 percent decline last month. Unfilled orders for steel have remained about the same since the beginning of the year at $10.8 billion.

INVENTORIES. The large inventory increases the last 3 months have been widespread. The durable goods sector has shown a slightly larger increase, going up 4.0 percent since January as compared to a 3.1 percent increase in the nondurable sector. By stage of fabrication, finished goods inventories since January have increased 3.8 percent, work in process 5.3 percent and materials and supplies 1.8 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for May is scheduled for release on June 22, 1984 at 8:30 A.M. and the full report on July 2, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	1984p	1983
	All manufacturing industries	186,727	188,479	185,005	184,406	-0.9	+1.9	+0.3	187,996	197,619	186,655	169,717	741,987	639,185
	Manufacturing industries with unfilled orders	97,671	98,323	97,119	96,341	-0.7	+1.2	+0.8	98,531	104,022	98,014	87,779	388,346	328,416
	Durable goods industries	94,995	96,990	96,297	95,283	-2.1	+0.7	+1.1	97,193	103,730	96,948	85,815	383,686	315,451
	With unfilled orders	77,419	78,470	77,261	76,415	-1.3	+1.6	+1.1	78,279	83,481	77,966	69,131	308,857	258,571
32	Stone, clay, and glass products	4,505	4,458	4,634	4,462	+1.1	-3.8	+3.9	4,596	4,511	4,328	3,758	17,193	14,767
322	Glass containers	393	388	398	362	+1.3	-2.5	+9.9	399	417	375	332	1,523	1,594
33	Primary metals	11,195	11,571	10,973	10,783	-3.2	+5.4	+1.8	11,774	12,404	11,457	10,526	46,161	36,250
331	Blast furnaces, steel mills	4,700	4,751	4,565	4,335	-1.1	+4.1	+5.3	4,992	5,211	4,789	4,300	19,292	14,894
333-9	Nonferrous and other primary metals	5,330	5,567	5,176	5,164	-4.3	+7.6	+0.2	5,532	5,873	5,403	5,019	21,827	17,911
34	Fabricated metal products	10,893	10,977	11,083	10,904	-0.8	-1.0	+1.6	11,141	11,589	11,121	9,891	43,742	37,486
341	Metal cans, barrels, and drums	931	899	874	864	+3.6	+2.9	+1.2	921	907	858	744	3,430	3,514
35	Machinery, except electrical	16,827	17,029	16,481	16,327	-1.2	+3.3	+0.9	16,729	18,506	16,717	14,429	66,381	54,943
351	Engines and turbines	1,210	1,215	1,141	1,151	-0.4	+6.5	-0.9	1,250	1,395	1,217	1,103	4,965	3,916
352	Farm machinery and equipment	905	942	977	851	-3.9	-3.6	+14.8	1,008	1,129	969	800	3,906	3,622
353	Construction, mining, and material handling equipment	2,573	2,553	2,412	2,543	+0.8	+5.8	-5.2	2,609	2,663	2,564	2,329	10,165	8,426
354	Metalworking machinery	819	786	750	780	+4.2	+4.8	-3.8	801	876	789	692	3,158	2,571
356	General industrial machinery	1,391	1,347	1,389	1,401	+3.3	-3.0	-0.9	1,376	1,406	1,410	1,254	5,446	4,634
357	Office and computing machines	4,214	4,516	4,096	4,135	-6.7	+10.3	-0.9	3,780	4,833	3,826	3,118	15,557	13,471
36	Electrical machinery	14,561	15,127	14,216	14,327	-3.7	+6.4	-0.8	14,590	15,791	14,435	13,129	57,945	48,850
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,011	2,087	1,903	1,931	-3.6	+9.7	-1.5	2,028	2,244	1,983	1,817	8,072	7,152
363	Household appliances	1,338	1,383	1,362	1,514	-3.3	+1.5	-10.0	1,341	1,459	1,373	1,308	5,481	4,668
365	Radio and TV	830	893	782	935	-7.1	+14.2	-16.4	734	856	777	790	3,157	2,513
366	Communication equipment	4,325	4,667	4,209	3,956	-7.3	+10.9	+6.4	4,452	4,965	4,202	3,602	17,221	15,470
367	Electronic components	3,578	3,634	3,500	3,420	-1.5	+3.8	+2.3	3,700	3,732	3,601	3,208	14,241	10,981
37	Transportation equipment	22,114	23,215	24,257	24,223	-4.7	-4.3	+0.1	23,378	25,649	24,529	21,819	95,375	74,911
371	Motor vehicles and parts	14,585	15,890	16,540	16,761	-8.2	-3.9	-1.3	15,719	17,636	16,865	15,372	65,592	45,893
372,6	Aircraft, missiles, and parts	5,930	5,656	6,060	5,894	+4.8	-6.7	+2.8	5,952	6,160	5,997	5,002	23,111	22,950
3731,95	Shipbuilding and military tank vehicles	868	869	879	781	-0.1	-1.1	+12.5	831	903	833	722	3,289	3,368
38	Instruments and related products	4,702	4,590	4,426	4,490	+2.4	+3.7	-1.4	4,602	4,851	4,333	4,041	17,827	15,620
381-4	Scientific and engineering instruments	2,672	2,722	2,600	2,686	-1.8	+4.7	-3.2	2,664	2,924	2,590	2,527	10,705	9,325
386	Photographic goods	1,810	1,667	1,640	1,620	+8.6	+1.6	+1.2	1,720	1,709	1,557	1,358	6,344	5,522
24,25, 39	All other durable goods	10,198	10,023	10,227	9,767	+1.7	-2.0	+4.7	10,383	10,429	10,028	8,222	39,062	32,624
	Nondurable goods industries	91,732	91,489	88,708	89,123	+0.3	+3.1	-0.5	90,803	93,889	89,707	83,902	358,301	323,734
	With unfilled orders	20,252	19,853	19,858	19,926	+2.0	0.0	-0.3	20,252	20,541	20,048	18,648	79,489	69,845
20	Food and kindred products	24,949	24,750	23,998	24,542	+0.8	+3.1	-2.2	24,151	25,454	24,300	22,701	96,606	92,289
201	Meat products	6,040	6,000	5,864	5,810	+0.7	+2.3	+0.9	5,774	5,820	5,735	5,601	22,930	21,764
208	Beverages	3,574	3,547	3,666	3,423	+0.8	-3.2	+7.1	3,681	3,484	3,267	2,889	13,321	13,047
207	Fats and oils	1,403	1,312	1,280	1,479	+6.9	+2.5	-13.5	1,361	1,395	1,355	1,469	5,580	5,142
203-6,9	All other foods	10,731	10,716	10,051	10,574	+0.1	+6.6	-4.9	10,141	11,552	10,493	9,675	41,861	39,963
21	Tobacco products	1,320	1,614	1,349	1,137	-18.2	+19.6	+18.6	1,285	1,500	1,241	1,035	5,061	4,296
22	Textile mill products	4,645	4,710	4,787	4,770	-1.4	-1.6	+0.4	4,604	5,186	4,771	4,202	18,763	16,091
26	Paper and allied products	7,987	7,778	7,797	7,743	+2.7	-0.2	+0.7	8,126	8,149	8,024	7,459	31,758	27,447
261-3,6	Pulp, paper etc.	3,542	3,377	3,398	3,347	+4.9	-0.6	+1.5	3,626	3,563	3,495	3,171	13,855	11,607
265	Paperboard containers	1,816	1,759	1,673	1,787	+3.2	+5.1	-6.4	1,843	1,849	1,727	1,682	7,101	6,107
264	All other paper products	2,629	2,642	2,726	2,609	-0.5	-3.1	+4.5	2,657	2,737	2,802	2,606	10,802	9,733
28	Chemicals and allied products	17,810	17,262	17,159	17,088	+3.2	+0.6	+0.4	18,462	18,703	17,486	16,485	71,136	60,193
281,6	Industrial chemicals, except pigments	5,719	5,387	5,618	5,607	+6.2	-4.1	+0.2	5,948	5,985	5,837	5,281	23,051	18,533
283,4	Drugs, soaps, and toiletries	4,508	4,378	4,276	4,334	+3.0	+2.4	-1.3	4,233	4,640	4,301	4,134	17,308	16,207
29	Petroleum and coal products	17,134	17,314	15,751	15,699	-1.0	+9.9	+0.3	16,545	16,842	15,825	15,582	64,794	59,659
30	Rubber and plastics products	4,367	4,438	4,320	4,264	-1.6	+2.7	+1.3	4,513	4,494	4,340	3,985	17,332	15,958
23,27, 31	All other nondurable goods	13,520	13,623	13,547	13,880	-0.8	+0.6	-2.4	13,117	13,561	13,720	12,453	52,851	47,801
	Market categories:													
	Home goods and apparel	12,599	13,124	13,070	13,289	-4.0	+0.4	-1.6	12,148	13,614	13,330	11,296	50,388	44,208
	Consumer staples	33,766	33,699	32,477	32,856	+0.2	+3.8	-1.2	32,831	34,366	32,548	30,269	130,014	122,402
	Equipment and defense products, except automotive	26,846	27,193	26,409	25,971	-1.3	+3.0	+1.7	26,687	29,224	26,301	22,771	104,983	93,004
	Automotive equipment	16,585	17,996	18,594	18,818	-7.8	-3.2	-1.2	17,973	19,889	18,836	17,128	73,826	52,995
	Construction materials, supplies and intermediate products	14,333	14,177	14,643	13,959	+1.1	-3.2	+4.9	14,669	14,359	13,803	11,699	54,530	46,743
	Other materials, supplies, and intermediate products	82,598	82,290	79,812	79,513	+0.4	+3.1	+0.4	83,688	86,167	81,837	76,554	328,246	279,833
	Supplementary series:[2]													
	Capital goods industries	30,779	30,967	30,010	29,810	-0.6	+3.2	+0.7	30,443	33,228	30,186	26,361	120,218	105,749
	Nondefense	24,836	25,236	24,158	24,092	-1.6	+4.5	+0.3	24,542	27,199	24,394	21,320	97,455	85,169
	Defense	5,943	5,731	5,852	5,718	+3.7	-2.1	+2.3	5,901	6,029	5,792	5,041	22,763	20,580
	Household durable goods industries	5,910	6,043	5,930	5,989	-2.2	+1.9	-1.0	5,833	6,394	5,978	5,092	23,297	19,664

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	1984p	1983
	All manufacturing industries	189,148	196,144	191,336	188,671	-3.6	+2.5	+1.4	189,955	207,546	194,643	178,284	770,428	652,788
	Manufacturing industries with unfilled orders	100,092	105,988	103,450	100,606	-5.6	+2.5	+2.8	100,490	113,949	106,002	96,346	416,787	342,019
	Durable goods industries	97,642	104,850	102,345	99,439	-6.9	+2.4	+2.9	99,181	113,734	104,611	94,005	411,531	327,918
	With unfilled orders	80,066	86,330	83,309	80,571	-7.3	+3.6	+3.4	80,267	93,485	85,629	77,321	336,702	271,038
32	Stone, clay, and glass products	4,577	4,583	4,763	4,557	-0.1	-3.8	+4.5	4,691	4,628	4,512	3,917	17,748	15,026
33	Primary metals	11,861	11,324	11,442	11,622	+4.7	-1.0	-1.5	11,940	12,521	12,672	12,184	49,317	39,140
331	Blast furnaces, steel mills	4,746	4,655	4,773	4,848	+2.0	-2.5	-1.5	4,782	5,271	5,497	5,345	20,895	16,452
333-9	Nonferrous and other primary metals	5,847	5,309	5,316	5,361	+10.1	-0.1	-0.8	5,847	5,812	5,760	5,473	22,892	19,155
34	Fabricated metal products	10,814	10,931	11,411	10,986	-1.1	-4.2	+3.9	10,988	11,986	11,542	10,117	44,633	37,506
35	Machinery, except electrical	16,834	18,303	17,215	17,159	-8.0	+6.3	+0.3	17,140	19,429	17,527	16,119	70,215	54,470
351	Engines and turbines	1,151	1,176	1,086	1,070	-2.1	+8.3	+1.5	1,140	1,339	1,220	992	4,691	3,496
353	Construction, mining, and material handling equipment	2,593	2,701	2,489	2,585	-4.0	+8.5	-3.7	2,570	2,796	2,775	2,417	10,558	8,209
354	Metalworking machinery	834	831	859	850	+0.4	-3.3	+1.1	850	910	885	798	3,443	2,318
356	General industrial machinery	1,396	1,334	1,364	1,388	+4.6	-2.2	-1.7	1,386	1,393	1,409	1,389	5,577	4,555
357	Office and computing machines	4,434	5,126	4,790	4,504	-13.5	+7.0	+6.3	4,483	5,187	4,260	3,856	17,786	13,724
36	Electrical machinery	14,823	16,892	16,143	15,658	-12.2	+4.6	+3.1	15,225	17,852	17,023	15,056	65,156	52,110
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,002	2,076	2,011	1,927	-3.6	+3.2	+4.4	2,055	2,260	2,156	1,918	8,389	7,170
363	Household appliances	1,333	1,373	1,323	1,521	-2.9	+3.8	-13.0	1,341	1,463	1,343	1,383	5,530	4,810
365	Radio and TV	737	736	1,081	915	+0.1	-31.9	+18.1	569	659	1,077	744	3,049	2,318
366	Communication equipment	4,225	5,721	5,298	4,535	-26.1	+8.0	+16.8	4,399	6,248	5,495	4,461	20,603	17,237
367	Electronic components	4,053	4,509	3,960	4,186	-10.1	+13.9	-5.4	4,522	4,671	4,438	4,132	17,763	12,461
37	Transportation equipment	23,779	28,444	26,702	24,931	-16.4	+6.5	+7.1	23,847	31,960	26,799	23,866	106,472	80,070
372,6	Aircraft, missiles, and parts	7,891	11,263	7,487	6,423	-29.9	+50.4	+16.6	6,782	13,130	7,154	6,366	33,432	27,592
3731,95	Shipbuilding and military tank vehicles	423	531	1,669	621	-20.3	-68.2	+168.8	551	418	1,723	847	3,539	3,706
38	Instruments and related products	4,768	4,617	4,315	4,593	+3.3	+7.0	-6.1	4,646	4,943	4,276	4,232	18,097	15,951
24,25, 39	All other durable goods	10,186	9,756	10,354	9,933	+4.4	-5.8	+4.2	10,704	10,415	10,260	8,514	39,893	33,645
	Nondurable goods industries	91,506	91,294	88,991	89,232	+0.2	+2.6	-0.3	90,774	93,812	90,032	84,279	358,897	324,870
	With unfilled orders	20,026	19,658	20,141	20,035	+1.9	-2.4	+0.5	20,223	20,464	20,373	19,025	80,085	70,981
	Market categories:													
	Home goods and apparel	12,540	12,802	13,440	13,591	-2.0	-4.7	-1.1	12,361	13,554	13,774	11,638	51,327	44,893
	Consumer staples	33,768	33,637	32,500	32,839	+0.4	+3.5	-1.0	32,807	34,279	32,538	30,352	129,976	122,388
	Equipment and defense products, except automotive	27,523	33,469	30,335	27,558	-17.8	+10.3	+10.1	26,612	36,564	30,178	26,849	120,203	97,798
	Automotive equipment	16,757	17,871	18,791	19,042	-6.2	-4.9	-1.3	17,908	19,623	19,026	17,561	74,118	53,156
	Construction materials, supplies and intermediate products	14,346	14,283	14,773	13,937	+0.4	-3.3	+6.0	14,702	14,747	14,081	11,802	55,332	47,344
	Other materials, supplies, and intermediate products	84,214	84,082	81,497	81,704	+0.2	+3.2	-0.3	85,565	88,779	85,046	80,082	339,472	287,209
	Supplementary series:[2]													
	Capital goods industries	32,195	38,399	34,307	31,701	-16.2	+11.9	+8.2	31,360	41,970	34,592	30,604	138,526	112,189
	Nondefense	25,829	26,860	27,018	25,093	-3.8	-0.6	+7.7	25,787	29,175	26,714	24,216	105,892	82,766
	Defense	6,366	11,539	7,289	6,608	-44.8	+58.3	+10.3	5,573	12,795	7,878	6,388	32,634	29,423
	Household durable goods industries	5,821	5,707	6,249	6,299	+2.0	-8.7	-0.8	5,974	6,293	6,410	5,456	24,133	20,325

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	Apr. 1983
	All manufacturing industries..	350,811	348,384	340,725	334,385	+0.7	+2.2	+1.9	356,394	354,432	344,503	336,515	307,750
	Durable goods industries.....	340,019	337,369	329,512	323,457	+0.8	+2.4	+1.9	345,273	343,284	333,278	325,614	297,733
32	Stone, clay, and glass products...	2,461	2,389	2,265	2,135	+3.0	+5.5	+6.1	2,499	2,403	2,285	2,103	1,914
33	Primary metals.....	22,546	21,880	22,127	21,656	+3.0	-1.1	+2.2	23,465	23,298	23,182	21,966	17,708
331	Blast furnaces, steel mills.....	10,766	10,720	10,816	10,607	+0.4	-0.9	+2.0	11,294	11,503	11,443	10,735	8,155
333-9	Nonferrous and other primary metals.....	8,793	8,275	8,533	8,392	+6.3	-3.0	+1.7	9,136	8,821	8,883	8,526	7,307
34	Fabricated metal products.....	20,818	20,896	20,942	20,616	-0.4	-0.2	+1.6	21,013	21,169	20,772	20,351	21,260
35	Machinery, except electrical.....	61,215	61,205	59,930	59,195	0.0	+2.1	+1.2	61,972	61,562	60,638	59,826	55,056
351	Engines and turbines.....	14,494	14,552	14,591	14,646	-0.4	-0.3	-0.4	14,445	14,557	14,613	14,610	14,639
353	Construction, mining, and material handling equipment....	6,007	5,987	5,839	5,762	+0.3	+2.5	+1.3	6,061	6,101	5,968	5,756	5,414
354	Metalworking machinery.....	2,661	2,646	2,601	2,492	+0.6	+1.7	+4.4	2,658	2,609	2,575	2,480	2,143
356	General industrial machinery....	4,730	4,725	4,738	4,762	+0.1	-0.3	-0.5	4,778	4,768	4,781	4,781	4,613
357	Office and computing machines...	21,959	21,739	21,129	20,435	+1.0	+2.9	+3.4	22,377	21,673	21,319	20,884	18,396
36	Electrical machinery.....	75,281	75,020	73,254	71,325	+0.3	+2.4	+2.7	76,376	75,742	73,680	71,093	62,869
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,463	6,472	6,483	6,374	-0.1	-0.2	+1.7	6,556	6,531	6,513	6,340	6,780
363	Household appliances.....	491	496	505	544	-1.0	-1.8	-7.2	511	511	507	537	448
365	Radio and TV.....	426	519	675	376	-17.9	-23.1	+79.5	288	453	650	350	211
366	Communication equipment.....	44,884	44,985	43,931	42,842	-0.2	+2.4	+2.5	45,574	45,627	44,344	43,051	40,274
367	Electronic components.....	21,559	21,084	20,210	19,749	+2.3	+4.3	+2.3	21,991	21,168	20,230	19,394	13,898
37	Transportation equipment.....	144,511	142,845	137,621	135,174	+1.2	+3.8	+1.8	146,434	145,962	139,651	137,382	126,985
372,6	Aircraft, missiles, and parts...	113,412	111,450	105,846	104,419	+1.8	+5.3	+1.4	114,653	113,821	106,852	105,695	97,992
3731,95	Shipbuilding and military tank vehicles.....	22,210	22,655	22,994	22,202	-2.0	-1.5	+3.6	22,908	23,186	23,671	22,781	23,063
38	Instruments and related products..	7,849	7,784	7,756	7,868	+0.8	+0.4	-1.4	7,924	7,880	7,787	7,844	7,307
24,25, 39	All other durable goods.....	5,338	5,350	5,617	5,488	-0.2	-4.8	+2.4	5,590	5,268	5,283	5,049	4,634
	Nondurable goods industries.....	10,792	11,015	11,213	10,928	-2.0	-1.8	+2.6	11,121	11,148	11,225	10,901	10,017
	Market categories:												
	Home goods and apparel.....	4,531	4,589	4,909	4,537	-1.3	-6.5	+8.2	4,654	4,442	4,501	4,056	3,692
	Consumer staples.....	675	672	735	711	+0.4	-8.6	+3.4	663	686	772	782	751
	Equipment and defense products, except automotive.....	209,120	208,444	202,168	198,240	+0.3	+3.1	+2.0	212,108	212,183	204,840	200,964	187,813
	Automotive equipment.....	8,085	7,913	8,039	7,842	+2.2	-1.6	+2.5	8,069	8,135	8,401	8,211	5,512
	Construction materials, supplies and intermediate products.....	12,502	12,489	12,385	12,254	+0.1	+0.8	+1.1	12,652	12,619	12,231	11,954	13,048
	Other materials, supplies, and intermediate products.....	115,898	114,277	112,489	110,801	+1.4	+1.6	+1.5	118,248	116,367	113,758	110,548	96,934
	Supplementary series:[2]												
	Capital goods industries.....	251,736	250,319	242,889	238,591	+0.6	+3.1	+1.8	255,220	254,304	245,558	241,153	226,135
	Nondefense.....	130,419	129,425	127,802	124,941	+0.8	+1.3	+2.3	131,539	130,297	128,318	125,998	119,876
	Defense.....	121,317	120,894	115,087	113,650	+0.3	+5.0	+1.3	123,681	124,007	117,240	115,155	106,259
	Household durable goods industries.....	3,924	4,012	4,346	4,026	-2.2	-7.7	+7.9	4,041	3,901	4,000	3,567	3,256

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1984P	Mar. 1984r	Feb. 1984	Jan. 1984	Mar.-Apr.P	Feb.-Mar.r	Jan.-Feb.	Apr. 1984P	Mar. 1984r	Feb. 1984	Jan. 1984	Apr. 1983
	All manufacturing industries..	270,434	267,379	264,074	260,884	+1.1	+1.3	+1.2	272,723	268,783	265,548	260,807	259,984
	Manufacturing industries with unfilled orders.....	185,186	182,449	179,740	178,084	+1.5	+1.5	+0.9	186,933	183,286	180,249	176,837	178,402
	Durable goods industries.....	178,374	175,751	173,203	171,549	+1.5	+1.5	+1.0	180,040	176,910	174,288	170,750	172,010
	With unfilled orders.....	162,678	160,233	157,731	156,173	+1.5	+1.6	+1.0	164,064	160,936	158,317	155,301	157,674
32	Stone, clay, and glass products...	5,764	5,687	5,596	5,600	+1.4	+1.6	-0.1	5,941	5,851	5,751	5,590	5,982
322	Glass containers.....	629	649	631	629	-3.1	+2.9	+0.3	647	653	636	610	668
33	Primary metals.....	20,342	19,886	19,434	19,009	+2.3	+2.3	+2.2	20,438	19,891	19,615	19,269	20,660
331	Blast furnaces, steel mills.....	9,447	9,329	9,139	8,893	+1.3	+2.1	+2.8	9,296	9,087	9,112	9,070	9,848
333-9	Nonferrous and other primary metals.....	9,625	9,277	9,031	8,884	+3.8	+2.7	+1.7	9,818	9,490	9,220	8,973	9,587
34	Fabricated metal products.....	18,232	18,034	17,892	17,765	+1.1	+0.8	+0.7	18,598	18,366	18,115	17,686	17,646
341	Metal cans, barrels, and drums..	2,178	2,132	2,095	2,148	+2.2	+1.8	-2.5	2,439	2,320	2,240	2,165	2,187
35	Machinery, except electrical.....	37,867	37,444	37,089	36,922	+1.1	+1.0	+0.5	38,191	37,469	37,254	36,706	38,890
351	Engines and turbines.....	2,194	2,171	2,107	2,040	+1.1	+3.0	+3.3	2,221	2,162	2,138	2,059	2,212
352	Farm machinery and equipment....	1,929	1,861	1,962	1,983	+3.7	-5.1	-1.1	1,997	1,937	2,041	1,961	2,012
353	Construction, mining, and material handling equipment....	7,062	7,016	7,046	7,162	+0.7	-0.4	-1.6	7,140	7,058	7,060	7,119	8,411
354	Metalworking machinery.....	2,317	2,315	2,265	2,262	+0.1	+2.2	+0.1	2,314	2,290	2,272	2,249	2,269
356	General industrial machinery....	3,501	3,456	3,487	3,484	+1.3	-0.9	+0.1	3,536	3,483	3,526	3,512	3,973
357	Office and computing machines...	10,642	10,349	10,096	9,884	+2.8	+2.5	+2.1	10,578	10,194	10,025	9,756	9,748
36	Electrical machinery.....	29,293	28,909	28,471	28,127	+1.3	+1.5	+1.2	29,733	29,029	28,364	27,727	26,611
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,279	4,232	4,211	4,174	+1.1	+0.5	+0.9	4,315	4,198	4,191	4,095	4,011
363	Household appliances.....	2,299	2,226	2,094	1,989	+3.3	+6.3	+5.3	2,435	2,282	2,113	1,961	1,948
365	Radio and TV.....	1,078	1,070	1,059	1,001	+0.7	+1.0	+5.8	1,081	1,039	1,023	961	985
366	Communication equipment.....	11,458	11,413	11,188	11,176	+0.4	+2.0	+0.1	11,589	11,515	11,181	11,090	10,299
367	Electronic components.....	5,907	5,795	5,800	5,689	+1.9	-0.1	+2.0	5,960	5,806	5,766	5,604	5,373
37	Transportation equipment.....	42,740	42,082	41,206	40,716	+1.6	+2.1	+1.2	42,794	42,398	41,591	40,505	39,429
371	Motor vehicles and parts.....	9,960	9,934	9,751	9,617	+0.3	+1.9	+1.4	9,904	10,023	9,931	9,702	8,339
372,6	Aircraft, missiles, and parts...	29,931	29,297	28,664	28,296	+2.2	+2.2	+1.3	30,054	29,495	28,773	27,927	28,190
3731,95	Shipbuilding and military tank vehicles.....	1,233	1,251	1,253	1,314	-1.4	-0.2	-4.6	1,237	1,253	1,268	1,299	1,606
38	Instruments and related products..	9,188	9,087	9,020	8,828	+1.1	+0.7	+2.2	9,347	9,129	8,979	8,736	9,099
381-4	Scientific and engineering instruments.....	6,584	6,522	6,498	6,339	+1.0	+0.4	+2.5	6,683	6,561	6,478	6,295	6,568
386	Photographic goods.....	2,065	2,022	1,989	1,951	+2.1	+1.7	+1.9	2,114	2,024	1,973	1,906	2,000
24,25, 39	All other durable goods.....	14,948	14,622	14,495	14,582	+2.2	+0.9	-0.6	14,998	14,777	14,619	14,531	13,693
	Nondurable goods industries.....	92,060	91,628	90,871	89,335	+0.5	+0.8	+1.7	92,683	91,873	91,260	90,057	87,974
	With unfilled orders.....	22,508	22,216	22,009	21,911	+1.3	+0.9	+0.4	22,869	22,350	21,932	21,536	20,728
20	Food and kindred products.....	21,276	21,629	21,354	20,996	-1.6	+1.3	+1.7	20,799	21,294	21,578	21,713	20,055
201	Meat products.....	2,173	2,196	2,133	2,116	-1.0	+3.0	+0.8	2,284	2,229	2,191	2,139	2,114
208	Beverages.....	3,486	3,354	3,375	3,358	+3.9	-0.6	+0.5	3,566	3,474	3,477	3,428	3,671
207	Fats and oils.....	1,591	1,767	1,795	1,735	-10.0	-1.6	+3.5	1,641	1,816	1,965	1,980	1,365
203-6,9	All other foods.....	12,223	12,517	12,314	12,070	-2.3	+1.6	+2.0	11,478	12,004	12,227	12,456	11,185
21	Tobacco products.....	3,675	3,771	3,831	3,870	-2.5	-1.6	-1.0	3,738	3,876	4,019	4,145	4,317
22	Textile mill products.....	7,132	7,066	6,960	6,951	+0.9	+1.5	+0.1	7,294	7,223	7,100	6,981	6,409
26	Paper and allied products.....	9,028	8,914	8,898	8,829	+1.3	+0.2	+0.8	9,223	8,992	8,863	8,690	8,507
261-3,6	Pulp, paper etc.....	3,328	3,293	3,293	3,257	+1.1	0.0	+1.1	3,370	3,306	3,281	3,220	3,348
265	Paperboard containers.....	2,465	2,420	2,396	2,343	+1.9	+1.0	+2.3	2,511	2,420	2,364	2,301	2,213
264	All other paper products.....	3,235	3,201	3,209	3,229	+1.1	-0.2	-0.6	3,342	3,266	3,218	3,169	2,946
28	Chemicals and allied products.....	20,470	20,357	19,840	19,509	+0.6	+2.6	+1.7	20,796	20,602	20,193	19,733	19,790
281,6	Industrial chemicals, except pigments.....	6,359	6,353	6,100	5,938	+0.1	+4.1	+2.7	6,423	6,347	6,143	6,039	6,015
283,4	Drugs, soaps, and toiletries....	6,499	6,500	6,395	6,318	0.0	+1.6	+1.2	6,603	6,500	6,388	6,248	6,285
29	Petroleum and coal products.....	8,925	8,319	8,739	8,165	+7.3	-4.8	+7.0	8,809	8,282	8,497	8,216	8,542
30	Rubber and plastics products.....	5,776	5,900	5,797	5,684	-2.1	+1.8	+2.0	6,046	6,063	5,855	5,686	5,923
23,27, 31	All other nondurable goods.....	15,778	15,672	15,452	15,331	+0.7	+1.4	+0.8	15,978	15,541	15,155	14,893	14,431
	Market categories:												
	Home goods and apparel.....	21,998	21,695	21,365	21,283	+1.4	+1.5	+0.4	22,344	21,694	21,231	20,930	20,191
	Consumer staples.....	32,934	33,173	32,865	32,497	-0.7	+0.9	+1.1	32,630	32,939	33,040	33,091	32,289
	Equipment and defense products, except automotive.....	76,125	74,849	74,025	73,445	+1.7	+1.1	+0.8	76,735	75,263	74,253	72,878	74,614
	Automotive equipment.....	12,203	12,167	11,945	11,720	+0.3	+1.9	+1.9	12,189	12,362	12,238	11,899	10,352
	Construction materials, supplies and intermediate products.....	19,664	19,298	19,199	19,047	+1.9	+0.5	+0.8	19,963	19,779	19,559	18,985	19,018
	Other materials, supplies, and intermediate products.....	107,510	106,197	104,675	102,892	+1.2	+1.5	+1.7	108,862	106,746	105,227	103,024	103,520
	Supplementary series:[2]												
	Capital goods industries.....	86,407	85,207	83,839	83,278	+1.4	+1.6	+0.7	87,060	85,469	83,998	82,465	84,423
	Nondefense.....	67,508	66,670	65,622	65,466	+1.3	+1.6	+0.2	67,986	66,715	65,806	64,975	67,482
	Defense.....	18,899	18,537	18,217	17,812	+2.0	+1.8	+2.3	19,074	18,754	18,192	17,490	16,941
	Household durable goods industries.....	10,594	10,391	10,161	10,144	+2.0	+2.3	+0.2	10,773	10,426	10,165	10,003	9,923

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1984p	Mar. 1984r	Feb. 1984	Jan. 1984	Apr. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,957	89,822	89,291	88,396	+0.2	+0.6	+1.0	90,420	90,233	89,684	89,015	85,426
	Durable goods industries.....	53,242	52,866	52,228	51,910	+0.7	+1.2	+0.6	53,166	52,765	52,299	51,911	50,457
32	Stone, clay, and glass products...	1,901	1,866	1,847	1,840	+1.9	+1.0	+0.4	1,904	1,875	1,860	1,859	1,972
33	Primary metals.....	6,443	6,381	6,261	6,255	+1.0	+1.9	+0.1	6,252	6,277	6,302	6,417	7,000
34	Fabricated metal products.....	7,233	7,059	7,051	6,926	+2.5	+0.1	+1.8	7,290	7,156	7,086	6,955	6,743
35	Machinery, except electrical.....	10,971	10,930	10,701	10,640	+0.4	+2.1	+0.6	11,057	10,880	10,730	10,631	11,088
36	Electrical Machinery.....	7,945	7,952	7,892	7,731	-0.1	+0.8	+2.1	8,078	7,875	7,829	7,707	7,234
37	Transportation equipment.....	10,686	10,851	10,664	10,708	-1.5	+1.8	-0.4	10,677	10,891	10,693	10,519	8,973
38	Instruments and related products..	2,608	2,528	2,513	2,388	+3.2	+0.6	+5.2	2,615	2,559	2,505	2,387	2,645
24,25, 39	All other durable goods.....	5,455	5,299	5,299	5,422	+2.9	0.0	-2.3	5,293	5,252	5,294	5,436	4,802
	Nondurable goods industries.....	36,715	36,956	37,063	36,486	-0.7	-0.3	+1.6	37,254	37,468	37,385	37,104	34,969
20	Food and kindred products.....	8,111	8,288	8,526	8,299	-2.1	-2.8	+2.7	8,197	8,490	8,750	8,692	7,729
21	Tobacco products.....	3,140	3,281	3,318	3,263	-4.3	-1.1	+1.7	3,245	3,382	3,504	3,599	3,866
22	Textile mill products.....	2,255	2,200	2,220	2,127	+2.5	-0.9	+4.4	2,312	2,282	2,253	2,177	1,924
26	Paper and allied products.....	4,684	4,613	4,569	4,488	+1.5	+1.0	+1.8	4,711	4,622	4,527	4,442	4,180
28	Chemicals and allied products.....	7,893	7,870	7,767	7,715	+0.3	+1.3	+0.7	8,010	7,973	7,820	7,762	7,438
29	Petroleum and coal products.....	2,143	2,183	2,214	2,338	-1.8	-1.4	-5.3	2,198	2,168	2,178	2,291	2,432
30	Rubber and plastics products.....	2,228	2,280	2,260	2,143	-2.3	+0.9	+5.5	2,271	2,267	2,216	2,160	1,995
23,27, 31	All other nondurable goods.....	6,261	6,241	6,189	6,113	+0.3	+0.8	+1.2	6,310	6,284	6,137	5,981	5,405
	WORK IN PROCESS												
	All manufacturing industries..	96,599	94,685	92,912	91,714	+2.0	+1.9	+1.3	97,294	95,209	93,431	91,243	91,320
	Durable goods industries.....	81,622	79,926	78,173	77,058	+2.1	+2.2	+1.4	82,133	80,454	78,723	76,774	76,780
32	Stone, clay, and glass products...	762	768	791	794	-0.8	-2.9	-0.4	814	816	831	779	897
33	Primary metals.....	8,097	7,781	7,529	7,252	+4.1	+3.3	+3.8	8,132	7,738	7,570	7,373	7,381
34	Fabricated metal products.....	6,361	6,301	6,152	6,173	+1.0	+2.4	-0.3	6,513	6,444	6,232	6,064	6,107
35	Machinery, except electrical.....	15,822	15,592	15,142	15,002	+1.5	+3.0	+0.9	15,896	15,598	15,259	15,019	15,885
36	Electrical Machinery.....	15,612	15,358	15,133	14,969	+1.7	+1.5	+1.1	15,748	15,457	15,133	14,756	13,830
37	Transportation equipment.....	27,269	26,560	25,890	25,438	+2.7	+2.6	+1.8	27,302	26,791	26,168	25,392	25,498
38	Instruments and related products..	3,938	3,927	3,917	3,888	+0.3	+0.3	+0.7	4,007	3,961	3,921	3,847	4,021
24,25, 39	All other durable goods.....	3,761	3,639	3,619	3,542	+3.4	+0.6	+2.2	3,721	3,649	3,609	3,544	3,161
	Nondurable goods industries.....	14,977	14,759	14,739	14,656	+1.5	+0.1	+0.6	15,161	14,755	14,708	14,469	14,540
20	Food and kindred products.....	1,734	1,744	1,766	1,752	-0.6	-1.2	+0.8	1,737	1,772	1,807	1,800	1,771
21	Tobacco products.....	258	210	229	314	+22.9	-8.3	-27.1	194	194	232	259	159
22	Textile mill products.....	2,295	2,280	2,232	2,269	+0.7	+2.2	-1.6	2,327	2,296	2,285	2,280	2,057
26	Paper and allied products.....	1,102	1,103	1,109	1,116	-0.1	-0.5	-0.6	1,120	1,102	1,101	1,085	1,049
28	Chemicals and allied products.....	3,423	3,332	3,419	3,282	+2.7	-2.5	+4.2	3,477	3,362	3,425	3,272	3,389
29	Petroleum and coal products.....	1,651	1,556	1,562	1,551	+6.1	-0.4	+0.7	1,692	1,555	1,523	1,517	1,892
30	Rubber and plastics products.....	996	1,018	966	969	-2.2	+5.4	-0.3	1,026	1,019	970	980	1,012
23,27, 31	All other nondurable goods.....	3,518	3,516	3,456	3,403	+0.1	+1.7	+1.6	3,588	3,455	3,365	3,276	3,211
	FINISHED GOODS												
	All manufacturing industries..	83,878	82,872	81,871	80,774	+1.2	+1.2	+1.4	85,009	83,341	82,433	80,549	83,238
	Durable goods industries.....	43,510	42,959	42,802	42,581	+1.3	+0.4	+0.5	44,741	43,691	43,266	42,065	44,773
32	Stone, clay, and glass products...	3,101	3,053	2,958	2,966	+1.6	+3.2	-0.3	3,223	3,160	3,060	2,952	3,113
33	Primary metals.....	5,802	5,724	5,644	5,502	+1.4	+1.4	+2.6	6,054	5,876	5,743	5,479	6,279
34	Fabricated metal products.....	4,638	4,674	4,689	4,666	-0.8	-0.3	+0.5	4,795	4,766	4,797	4,667	4,796
35	Machinery, except electrical.....	11,074	10,922	11,246	11,280	+1.4	-2.9	-0.3	11,238	10,991	11,265	11,056	11,917
36	Electrical Machinery.....	5,736	5,599	5,446	5,427	+2.4	+2.8	+0.4	5,907	5,697	5,402	5,264	5,547
37	Transportation equipment.....	4,785	4,671	4,652	4,570	+2.4	+0.4	+1.8	4,815	4,716	4,730	4,594	4,958
38	Instruments and related products..	2,642	2,632	2,590	2,552	+0.4	+1.6	+1.5	2,725	2,609	2,553	2,502	2,433
24,25, 39	All other durable goods.....	5,732	5,684	5,577	5,618	+0.8	+1.9	-0.7	5,984	5,876	5,716	5,551	5,730
	Nondurable goods industries.....	40,368	39,913	39,069	38,193	+1.1	+2.2	+2.3	40,268	39,650	39,167	38,484	38,465
20	Food and kindred products.....	11,431	11,597	11,062	10,945	-1.4	+4.8	+1.1	10,865	11,032	11,021	11,221	10,555
21	Tobacco products.....	277	280	284	293	-1.1	-1.4	-3.1	299	300	283	287	292
22	Textile mill products.....	2,582	2,586	2,508	2,555	-0.2	+3.1	-1.8	2,655	2,645	2,562	2,524	2,428
26	Paper and allied products.....	3,242	3,198	3,220	3,225	+1.4	-0.7	-0.2	3,392	3,268	3,235	3,163	3,278
28	Chemicals and allied products.....	9,154	9,155	8,654	8,512	0.0	+5.8	+1.7	9,309	9,267	8,948	8,699	8,963
29	Petroleum and coal products.....	5,131	4,580	4,963	4,276	+12.0	-7.7	+16.1	4,919	4,559	4,796	4,408	4,218
30	Rubber and plastics products.....	2,552	2,602	2,571	2,572	-1.9	+1.2	0.0	2,749	2,777	2,669	2,546	2,916
23,27, 31	All other nondurable goods.....	5,999	5,915	5,807	5,815	+1.4	+1.9	-0.1	6,080	5,802	5,653	5,636	5,815

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Apr. 1984P	Mar. 1984r	Feb. 1984	Jan. 1984	Apr. 1984P	Mar. 1984r	Feb. 1984	Jan. 1984
	All manufacturing industries	1.45	1.42	1.43	1.41	3.59	3.54	3.51	3.47
	Durable goods industries	1.88	1.81	1.80	1.80	4.39	4.30	4.26	4.23
32	Stone, clay, and glass products	1.28	1.28	1.21	1.26	0.60	0.59	0.53	0.52
33	Primary metals	1.82	1.72	1.77	1.76	2.01	1.89	2.02	2.01
34	Fabricated metal products	1.67	1.64	1.61	1.63	2.09	2.07	2.05	2.05
35	Machinery, except electrical	2.25	2.20	2.25	2.26	3.84	3.80	3.87	3.82
36	Electrical machinery	2.01	1.91	2.00	1.96	5.17	4.96	5.15	4.98
37	Transportation equipment	1.93	1.81	1.70	1.68	12.01	12.01	10.94	11.09
38	Instruments and related products	1.95	1.98	2.04	1.97	1.67	1.70	1.75	1.75
	Nondurable goods industries	1.00	1.00	1.02	1.00	0.53	0.55	0.56	0.55
20	Food and kindred products	0.85	0.87	0.89	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	2.78	2.34	2.84	3.40	(X)	(X)	(X)	(X)
22	Textile mill products	1.54	1.50	1.45	1.46	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.13	1.15	1.14	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.15	1.18	1.16	1.14	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.52	0.48	0.55	0.52	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.32	1.33	1.34	1.33	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Apr. 1983	All Aprs. 1979-1983	Apr. 1983-Mar. 1984	Year ago Apr. 1983	All Aprs. 1979-1983	Apr. 1983-Mar. 1984	Year ago Apr. 1983	All Aprs. 1979-1983	Apr. 1983-Mar. 1984	Year ago Apr. 1983	All Aprs. 1979-1983	Apr. 1983-Mar. 1984
	All manufacturing industries.	0.0	0.2	0.3	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.2	0.2	0.3	0.5	0.3	0.6	0.1	0.1	0.2	0.0	0.1	0.2
32	Stone, clay, and glass products..	0.2	0.4	0.8	0.8	0.8	1.1	1.9	1.3	1.1	0.1	0.3	0.6
33	Primary metals	0.8	0.5	0.9	0.9	0.8	1.2	0.1	0.2	0.4	0.1	0.2	0.2
34	Fabricated metal products	0.9	0.9	0.8	1.0	1.5	1.1	0.0	0.3	0.3	0.1	0.4	0.2
35	Machinery, except electrical	0.4	0.5	0.9	0.2	1.7	1.3	0.0	0.4	0.2	0.1	0.2	0.3
36	Electrical machinery	0.2	0.2	0.9	0.0	0.3	1.3	0.0	0.0	0.2	0.3	0.3	0.2
37	Transportation equipment	0.2	0.5	0.4	1.5	2.0	1.5	0.2	0.3	0.2	0.2	0.2	0.3
38	Instruments and related products.	1.1	1.0	1.1	0.1	1.3	1.1	0.7	0.6	0.5	0.3	0.4	0.5
	Nondurable goods industries	0.2	0.3	0.4	0.2	0.3	0.4	0.3	0.7	0.5	0.2	0.2	0.3
20	Food and kindred products	0.2	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.6
21	Tobacco products	0.0	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.2
22	Textile mill products	0.5	0.8	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.5	0.5
26	Paper and allied products	1.1	0.7	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.8	0.4
28	Chemicals and allied products	0.1	0.8	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.6	0.6
29	Petroleum and coal products	0.6	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.7	1.1	0.6
30	Rubber and plastics products	0.6	0.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.6
	Capital Goods Industries:												
	Nondefense	0.3	0.4	0.7	1.1	1.3	1.1	0.1	0.3	0.2	0.1	0.1	0.2
	Defense	0.4	0.7	0.7	1.4	1.7	2.9	0.1	0.1	0.2	0.2	0.3	0.5

(X) Not Applicable (NA) Not available.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1(84)-5
BOSTON PUBLIC LIBRARY
SUPERINTENDENT OF DOCUMENTS
SEP 3 1984
DEPOSITORY

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

MAY 1984

M3-1(84)-5

For Wire Transmission 10:00 A.M. E.D.T. Monday, July 2, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in May increased $3.5 billion or 1.9 percent to $193.2 billion, following a 3.4 percent decline in April. The durable goods sector caused the May increase as the nondurable goods sector showed a slight decline.

Shipments of manufactured goods increased $1.9 billion or 1.0 percent in May to $189.2 billion. Here too the durable goods sector accounted for the increase as the nondurable goods sector showed a 0.4 percent decline.

Unfilled orders in May increased $4.1 billion or 1.2 percent to $355.2 billion. There has been a strong upward trend in unfilled orders this year as new orders continue to exceed shipments.

Manufacturers' inventories in May increased $4.1 billion or 1.5 percent to $274.5 billion. This is the fourth consecutive monthly increase in excess of 1.0 percent and the largest one month gain since a 1.6 percent increase in April 1980. The durable goods sector went up $2.4 billion for a 1.3 percent increase while the nondurable goods sector was up $1.7 billion for a 1.9 percent increase. The inventory to shipments ratio at 1.45 in May has been generally increasing since December when it reached a low of 1.40.

NEW ORDERS. The increase in new orders in May was caused by the $3.7 billion or 3.8 percent increase in durable goods orders. This is the largest one month increase in durable goods since the 7.4 percent gain in June 1983. The May increase was concentrated in the machinery industries, which had shown a 10.2 percent decline in the prior month. Electrical machinery was up $2.8 billion or 18.8 percent to $17.5 billion with over half the increase coming in the communication equipment category. Nonelectrical machinery was up $2.0 billion or 11.8 percent to $18.9 billion; although increases were widespread the largest was in office and computing equipment.

Primary metals orders were down $1.2 billion or 10.4 percent to $10.6 billion. This is the fifth decline in the last 6 months and the largest one month decline since the 14.1 percent drop in March of 1983. Both the steel and the nonferrous metals industries caused this month's decline. Transportation orders were down in May 1.1 billion or 4.3 percent to $23.5 billion, following a 13.8 percent decline in April. In both months the declines were caused by the aircraft and parts industry. The nondurable goods sector showed a $0.2 billion or 0.2 percent decline in May to $91.2 billion.

SHIPMENTS. Shipments of durable goods in May increased $2.2 billion or 2.3 percent to $97.9 billion. This is the largest increase since December when shipments were up 4.4 percent. Most of the major industries increased in May with machinery showing the largest gain; both the electrical and nonelectrical categories contributed to a $1.3 billion or 4.2 percent increase to $32.7 billion, more than offsetting last month's decline of 2.4 percent. Primary metals shipments were up in May $0.2 billion or 2.0 percent to $11.4 billion while transportation increased $0.3 billion or 1.3 percent to $23.1 billion.

Shipments of nondurable goods in May decreased $0.4 billion or 0.4 percent to $91.2 billion. The largest declines were in petroleum and foods, down 3.5 percent and 1.5 percent respectively. These declines offset increases in most of the other categories.

UNFILLED ORDERS. Unfilled orders for durable goods in May increased $4.1 billion or 1.2 percent to $344.4 billion. Machinery accounted for most of the increase going up $3.7 billion or 2.7 percent to $140.1 billion. The machinery category has increased an average of over $2.0 billion per month since the beginning of the year. Transportation showed a $0.3 billion or 0.2 percent increase in May.

Unfilled orders for primary metals declined $0.8 billion or 3.3 percent to $22.1 billion, the largest decrease since a 3.8 percent drop in October 1982. This industry had generally been increasing since reaching a low in December 1982 of $15.1 billion, but has now declined two of the last three months.

The average rate of increase in manufacturers' unfilled orders this year is 1.5 percent per month as compared to the average 1.0 percent per month gains in 1983. The increased rate results from netting the continued strength in new orders against the slowing rates of increase in shipments.

INVENTORIES. Manufacturers of both durable and nondurable goods continued to increase their inventories in May, durable goods increasing $2.4 billion or 1.3 percent to $180.4 billion and nondurable goods up $1.7 billion or 1.9 percent to $94.1 billion. The total inventory increase reflected expansion in all three stages of fabrication. Raw material inventories increased 1.6 percent to $91.5 billion, work in process 1.5 perent to $97.8 billion and finished goods 1.4 percent to $85.3 billion.

SCHEDULED RELEASE DATES. The advance report on durable goods for June is scheduled for release on July 24, 1984 at 8:30 A.M. and the full report on August 1, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May 1984p	Apr. 1984r	Mar. 1984	Feb. 1984	Apr.-May p	Mar.-Apr.r	Feb.-Mar.	May 1984p	Apr. 1984r	Mar. 1984	Feb. 1984	1984p	1983
	All manufacturing industries	189,185	187,332	188,479	185,005	+1.0	-0.6	+1.9	191,301	188,667	197,619	186,655	933,959	807,438
	Manufacturing industries with unfilled orders	99,983	97,825	98,323	97,119	+2.2	-0.5	+1.2	100,738	98,689	104,022	98,014	489,242	414,049
	Durable goods industries	97,937	95,697	96,990	96,297	+2.3	-1.3	+0.7	99,963	97,967	103,730	96,948	484,423	399,187
	With unfilled orders	79,619	77,689	78,470	77,261	+2.5	-1.0	+1.6	80,484	78,562	83,481	77,966	389,624	326,216
32	Stone, clay, and glass products	4,620	4,486	4,458	4,634	+3.0	+0.6	-3.8	4,728	4,578	4,511	4,328	21,903	18,876
322	Glass containers	404	389	388	398	+3.9	+0.3	-2.5	415	396	417	375	1,935	2,025
33	Primary metals	11,410	11,191	11,571	10,973	+2.0	-3.3	+5.4	11,828	11,772	12,404	11,457	57,987	46,113
331	Blast furnaces, steel mills	5,036	4,719	4,751	4,565	+6.7	-0.7	+4.1	5,101	5,012	5,211	4,789	24,413	18,816
333-9	Nonferrous and other primary metals	5,145	5,280	5,567	5,176	-2.6	-5.2	+7.6	5,377	5,481	5,873	5,403	27,153	22,788
34	Fabricated metal products	11,144	10,930	10,977	11,083	+2.0	-0.4	-1.0	11,349	11,181	11,589	11,121	55,131	47,594
341	Metal cans, barrels, and drums	921	890	899	874	+3.5	-1.0	+2.9	957	880	907	858	4,346	4,500
35	Machinery, except electrical	17,679	16,768	17,029	16,481	+5.4	-1.5	+3.3	17,619	16,685	18,506	16,717	83,956	69,188
351	Engines and turbines	1,253	1,286	1,215	1,141	-2.6	+5.8	+6.5	1,273	1,330	1,395	1,217	6,318	4,915
352	Farm machinery and equipment	937	912	942	977	+2.7	-3.2	-3.6	1,029	1,016	1,129	969	4,943	4,624
353	Construction, mining, and material handling equipment	2,817	2,549	2,553	2,412	+10.5	-0.2	+5.8	2,853	2,585	2,663	2,564	12,994	10,796
354	Metalworking machinery	845	832	786	750	+1.6	+5.9	+4.8	821	814	876	789	3,992	3,194
356	General industrial machinery	1,423	1,359	1,347	1,389	+4.7	+0.9	-3.0	1,443	1,344	1,406	1,410	6,857	5,762
357	Office and computing machines	4,492	4,112	4,516	4,096	+9.2	-8.9	+10.3	4,160	3,689	4,833	3,826	19,626	16,756
36	Electrical machinery	14,999	14,606	15,127	14,216	+2.7	-3.4	+6.4	14,965	14,637	15,791	14,435	72,957	61,376
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,035	2,002	2,087	1,903	+1.6	-4.1	+9.7	2,043	2,019	2,244	1,983	10,106	8,881
363	Household appliances	1,508	1,334	1,383	1,362	+13.0	-3.5	+1.5	1,491	1,337	1,459	1,373	6,968	5,905
365	Radio and TV	930	815	893	782	+14.1	-8.7	+14.2	837	721	856	777	3,981	3,153
366	Communication equipment	4,396	4,286	4,667	4,209	+2.6	-8.2	+10.9	4,466	4,411	4,965	4,202	21,646	19,383
367	Electronic components	3,707	3,676	3,634	3,500	+0.8	+1.2	+3.8	3,778	3,801	3,732	3,601	18,120	13,897
37	Transportation equipment	23,136	22,845	23,215	24,257	+1.3	-1.6	-4.3	24,405	24,167	25,649	24,529	120,569	94,804
371	Motor vehicles and parts	15,583	15,175	15,890	16,540	+2.7	-4.5	-3.9	16,744	16,363	17,636	16,865	82,980	58,767
372,6	Aircraft, missiles, and parts	5,928	5,992	5,656	6,060	-1.1	+5.9	-6.7	5,968	6,011	6,160	5,997	29,138	28,550
3731,95	Shipbuilding and military tank vehicles	780	918	869	879	-15.0	+5.6	-1.1	820	878	903	833	4,156	4,169
38	Instruments and related products	4,857	4,734	4,590	4,426	+2.6	+3.1	+3.7	4,758	4,634	4,851	4,333	22,617	19,528
381-4	Scientific and engineering instruments	2,872	2,717	2,722	2,600	+5.7	-0.2	+4.7	2,795	2,709	2,924	2,590	13,545	11,602
386	Photographic goods	1,767	1,797	1,667	1,640	-1.7	+7.8	+1.6	1,746	1,707	1,709	1,557	8,077	6,962
24,25, 39	All other durable goods	10,092	10,137	10,023	10,227	-0.4	+1.1	-2.0	10,311	10,313	10,429	10,028	49,303	41,708
	Nondurable goods industries	91,248	91,635	91,489	88,708	-0.4	+0.2	+3.1	91,338	90,700	93,889	89,707	449,536	408,251
	With unfilled orders	20,364	20,136	19,853	19,858	+1.1	+1.4	0.0	20,254	20,127	20,541	20,048	99,618	87,833
20	Food and kindred products	24,771	25,143	24,750	23,998	-1.5	+1.6	+3.1	24,376	24,339	25,454	24,300	121,170	116,118
201	Meat products	5,782	6,020	6,000	5,864	-4.0	+0.3	+2.3	5,771	5,755	5,820	5,735	28,682	27,423
208	Beverages	3,651	3,607	3,547	3,666	+1.2	+1.7	-3.2	3,816	3,715	3,484	3,267	17,171	16,791
207	Fats and oils	1,500	1,384	1,312	1,280	+8.4	+5.5	+2.5	1,405	1,342	1,395	1,355	6,966	6,494
203-6,9	All other foods	10,700	10,893	10,716	10,051	-1.8	+1.7	+6.6	10,240	10,294	11,552	10,493	52,254	49,822
21	Tobacco products	1,413	1,321	1,614	1,349	+7.0	-18.2	+19.6	1,419	1,286	1,500	1,241	6,481	5,483
22	Textile mill products	4,674	4,737	4,710	4,787	-1.3	+0.6	-1.6	4,748	4,694	5,186	4,771	23,601	20,423
26	Paper and allied products	8,044	7,784	7,778	7,797	+3.3	+0.1	-0.2	8,094	7,917	8,149	8,024	39,643	34,422
261-3,6	Pulp, paper etc	3,527	3,411	3,377	3,398	+3.4	+1.0	-0.6	3,611	3,491	3,563	3,495	17,331	14,602
265	Paperboard containers	1,854	1,777	1,759	1,673	+4.3	+1.0	+5.1	1,856	1,803	1,849	1,727	8,917	7,661
264	All other paper products	2,663	2,596	2,642	2,726	+2.6	-1.7	-3.1	2,627	2,623	2,737	2,802	13,395	12,159
28	Chemicals and allied products	17,600	17,643	17,262	17,159	-0.2	+2.2	+0.6	18,606	18,308	18,703	17,486	89,588	76,454
281,6	Industrial chemicals, except pigments	5,567	5,717	5,387	5,618	-2.6	+6.1	-4.1	5,667	5,945	5,985	5,837	28,715	23,413
283,4	Drugs, soaps, and toiletries	4,443	4,301	4,378	4,276	+3.3	-1.8	+2.4	4,154	4,039	4,640	4,301	21,268	20,084
29	Petroleum and coal products	16,569	17,168	17,314	15,751	-3.5	-0.8	+9.9	16,595	16,579	16,842	15,825	81,423	75,494
30	Rubber and plastics products	4,420	4,330	4,438	4,320	+2.1	-2.4	+2.7	4,431	4,475	4,494	4,340	21,725	20,066
23,27, 31	All other nondurable goods	13,757	13,509	13,623	13,547	+1.8	-0.8	+0.6	13,069	13,102	13,561	13,720	65,905	59,791
	Market categories:													
	Home goods and apparel	13,280	12,680	13,124	13,070	+4.7	-3.4	+0.4	12,652	12,226	13,614	13,330	63,118	55,398
	Consumer staples	33,508	33,741	33,699	32,477	-0.7	+0.1	+3.8	32,891	32,812	34,366	32,548	162,886	153,855
	Equipment and defense products, except automotive	27,705	26,809	27,193	26,409	+3.3	-1.4	+3.0	27,663	26,656	29,224	26,301	132,615	116,351
	Automotive equipment	17,674	17,192	17,996	18,594	+2.8	-4.5	-3.2	18,936	18,642	19,889	18,836	93,431	67,768
	Construction materials, supplies and intermediate products	14,271	14,283	14,177	14,643	-0.1	+0.7	-3.2	14,768	14,620	14,359	13,803	69,249	60,042
	Other materials, supplies, and intermediate products	82,747	82,627	82,290	79,812	+0.1	+0.4	+3.1	84,391	83,711	86,167	81,837	412,660	354,024
	Supplementary series:[2]													
	Capital goods industries	31,467	30,784	30,967	30,010	+2.2	-0.6	+3.2	31,334	30,453	33,228	30,186	151,562	132,292
	Nondefense	25,752	24,799	25,236	24,158	+3.8	-1.7	+4.5	25,552	24,515	27,199	24,394	122,980	106,415
	Defense	5,715	5,985	5,731	5,852	-4.5	+4.4	-2.1	5,782	5,938	6,029	5,792	28,582	25,877
	Household durable goods industries	6,326	5,934	6,043	5,930	+6.6	-1.8	+1.9	6,204	5,858	6,394	5,978	29,526	24,819

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May 1984P	Apr. 1984r	Mar. 1984r	Feb. 1984	Apr.-MayP	Mar.-Apr.r	Feb.-Mar.r	May 1984P	Apr. 1984r	Mar. 1984r	Feb. 1984	1984P	1983
	All manufacturing industries	193,242	189,715	196,477	191,336	+1.9	-3.4	+2.7	192,672	190,601	207,903	194,643	964,103	820,272
	Manufacturing industries with unfilled orders	104,041	100,208	105,988	103,450	+3.8	-5.5	+2.5	102,109	100,623	113,949	106,002	519,029	426,883
	Durable goods industries	102,012	98,317	105,183	102,345	+3.8	-6.5	+2.8	101,434	99,921	114,091	104,611	514,062	410,761
	With unfilled orders	83,695	80,309	86,330	83,309	+4.2	-7.0	+3.6	81,955	80,516	93,485	85,629	418,906	337,790
32	Stone, clay, and glass products	4,648	4,508	4,583	4,763	+3.1	-1.6	-3.8	4,789	4,621	4,628	4,512	22,467	19,189
33	Primary metals	10,642	11,877	11,657	11,442	-10.4	+1.9	+1.9	10,518	11,950	12,878	12,672	60,202	48,865
331	Blast furnaces, steel mills	4,385	4,782	4,988	4,773	-8.3	-4.1	+4.5	4,147	4,813	5,628	5,497	25,430	20,324
333-9	Nonferrous and other primary metals	5,034	5,770	5,309	5,316	-12.8	+8.7	-0.1	5,088	5,766	5,812	5,760	27,899	23,917
34	Fabricated metal products	11,468	10,889	10,931	11,411	+5.3	-0.4	-4.2	11,600	11,062	11,986	11,542	56,307	47,557
35	Machinery, except electrical	18,858	16,873	18,303	17,215	+11.8	-7.8	+6.3	18,646	17,191	19,429	17,527	88,912	68,965
351	Engines and turbines	988	1,227	1,176	1,086	-19.5	+4.3	+8.3	1,080	1,219	1,339	1,220	5,850	4,634
353	Construction, mining, and material handling equipment	3,011	2,608	2,701	2,489	+15.5	-3.4	+8.5	3,000	2,584	2,796	2,775	13,572	10,620
354	Metalworking machinery	946	846	831	859	+11.8	+1.8	-3.3	908	862	910	885	4,363	2,971
356	General industrial machinery	1,382	1,387	1,334	1,364	-0.4	+4.0	-2.2	1,425	1,377	1,393	1,409	6,993	5,675
357	Office and computing machines	5,109	4,313	5,126	4,790	+18.5	-15.9	+7.0	4,878	4,372	5,187	4,260	22,553	17,162
36	Electrical machinery	17,480	14,716	16,892	16,143	+18.8	-12.9	+4.6	17,049	15,133	17,852	17,023	82,113	65,401
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,913	1,988	2,076	2,011	-3.8	-4.2	+3.2	1,893	2,040	2,260	2,156	10,267	8,697
363	Household appliances	1,620	1,339	1,373	1,323	+21.0	-2.5	+3.8	1,626	1,347	1,463	1,343	7,162	6,078
365	Radio and TV	1,135	676	736	1,081	+67.9	-8.2	-31.9	1,102	525	659	1,077	4,107	3,195
366	Communication equipment	5,621	4,063	5,721	5,298	+38.3	-29.0	+8.0	5,520	4,233	6,248	5,495	25,957	21,402
367	Electronic components	4,768	4,163	4,509	3,960	+14.5	-7.7	+13.9	4,565	4,635	4,671	4,438	22,441	15,831
37	Transportation equipment	23,467	24,523	28,444	26,702	-4.3	-13.8	+6.5	23,154	24,652	31,960	26,799	130,431	97,855
372,6	Aircraft, missiles, and parts	6,069	8,001	11,263	7,487	-24.1	-29.0	+50.4	5,164	6,894	13,130	7,154	38,708	31,150
3731,95	Shipbuilding and military tank vehicles	1,135	402	531	1,669	+182.3	-24.3	-68.2	719	526	418	1,723	4,233	4,458
38	Instruments and related products	5,123	4,775	4,617	4,315	+7.3	+3.4	+7.0	4,943	4,653	4,943	4,276	23,047	19,880
24,25, 39	All other durable goods	10,326	10,156	9,756	10,354	+1.7	+4.1	-5.8	10,735	10,659	10,415	10,260	50,583	43,049
	Nondurable goods industries	91,230	91,398	91,294	88,991	-0.2	+0.1	+2.6	91,238	90,680	93,812	90,032	450,041	409,511
	With unfilled orders	20,346	19,899	19,658	20,141	+2.2	+1.2	-2.4	20,154	20,107	20,464	20,373	100,123	89,093
	Market categories:													
	Home goods and apparel	13,581	12,590	12,802	13,440	+7.9	-1.7	-4.7	13,242	12,417	13,554	13,774	64,625	56,602
	Consumer staples	33,502	33,731	33,637	32,500	-0.7	+0.3	+3.5	32,849	32,777	34,279	32,538	162,795	153,804
	Equipment and defense products, except automotive	30,936	27,319	33,469	30,335	+13.2	-18.4	+10.3	29,503	26,410	36,564	30,178	149,504	120,006
	Automotive equipment	17,560	17,400	17,871	18,791	+0.9	-2.6	-4.9	18,631	18,612	19,623	19,026	93,453	67,895
	Construction materials, supplies and intermediate products	14,329	14,267	14,283	14,773	+0.4	-0.1	-3.3	14,897	14,621	14,747	14,081	70,146	60,491
	Other materials, supplies, and intermediate products	83,334	84,408	84,082	81,497	-1.3	+0.4	+3.2	83,550	85,764	88,779	85,046	423,221	361,474
	Supplementary series:[2]													
	Capital goods industries	34,347	32,133	38,399	34,307	+6.9	-16.3	+11.9	32,435	31,303	41,970	34,592	170,904	137,155
	Nondefense	28,637	25,885	26,860	27,018	+10.6	-3.6	-0.6	27,832	25,854	29,175	26,714	133,791	103,878
	Defense	5,710	6,248	11,539	7,289	-8.6	-45.9	+58.3	4,603	5,449	12,795	7,878	37,113	33,277
	Household durable goods industries	6,638	5,832	5,707	6,249	+13.8	+2.2	-8.7	6,766	5,996	6,293	6,410	30,921	25,963

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1984p	Apr. 1984r	Mar. 1984r	Feb. 1984	Apr.-May p	Mar.-Apr. r	Feb.-Mar. r	May 1984p	Apr. 1984r	Mar. 1984r	Feb. 1984	May 1983
	All manufacturing industries..	355,159	351,099	348,717	340,725	+1.2	+0.7	+2.3	358,095	356,717	354,789	344,503	306,981
	Durable goods industries.....	344,399	340,320	337,702	329,512	+1.2	+0.8	+2.5	347,071	345,592	343,641	333,278	296,840
32	Stone, clay, and glass products...	2,436	2,410	2,389	2,265	+1.1	+0.9	+5.5	2,507	2,446	2,403	2,285	1,968
33	Primary metals.....	22,732	22,899	22,213	22,127	-3.3	+3.1	+0.4	22,525	23,834	23,655	23,182	17,570
331	Blast furnaces, steel mills.....	10,466	11,116	11,053	10,816	-5.8	+0.6	+2.2	10,707	11,661	11,860	11,443	8,105
333-9	Nonferrous and other primary metals.....	8,654	8,765	8,275	8,533	-1.3	+5.9	-3.0	8,818	9,107	8,821	8,883	7,192
34	Fabricated metal products.....	21,179	20,854	20,896	20,942	+1.6	+0.2	-0.2	21,299	21,049	21,169	20,772	21,203
35	Machinery, except electrical.....	62,488	61,309	61,205	59,930	+1.9	+0.2	+2.1	63,095	62,066	61,562	60,638	55,306
351	Engines and turbines.....	14,229	14,494	14,552	14,591	-1.8	-0.4	-0.3	14,253	14,445	14,557	14,613	14,778
353	Construction, mining, and material handling equipment....	6,240	6,045	5,987	5,839	+3.2	+1.0	+2.5	6,246	6,100	6,101	5,968	5,455
354	Metalworking machinery.....	2,760	2,660	2,646	2,601	+3.8	+0.5	+1.7	2,744	2,657	2,609	2,575	2,173
356	General industrial machinery....	4,712	4,753	4,725	4,738	-0.9	+0.6	-0.3	4,783	4,800	4,768	4,781	4,605
357	Office and computing machines...	22,556	21,940	21,739	21,129	+2.8	+0.9	+2.9	23,075	22,356	21,673	21,319	18,549
36	Electrical machinery.....	77,610	75,129	75,020	73,254	+3.3	+0.1	+2.4	78,322	76,237	75,742	73,680	63,634
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,336	6,458	6,472	6,483	-1.9	-0.2	-0.2	6,402	6,551	6,531	6,513	6,578
363	Household appliances.....	613	501	496	505	+22.4	+1.0	-1.8	656	521	511	507	479
365	Radio and TV.....	585	380	519	675	+53.9	-26.8	-23.1	521	256	453	650	448
366	Communication equipment.....	45,986	44,761	44,985	43,931	+2.7	-0.5	+2.4	46,504	45,449	45,627	44,344	40,526
367	Electronic components.....	22,632	21,571	21,084	20,210	+4.9	+2.3	+4.3	22,790	22,003	21,168	20,230	14,352
37	Transportation equipment.....	144,863	144,527	142,845	137,621	+0.2	+1.2	+3.8	145,200	146,448	145,962	139,651	124,877
372,6	Aircraft, missiles, and parts...	113,606	113,463	111,450	105,846	+0.1	+1.8	+5.3	113,902	114,704	113,821	106,852	95,950
3731,95	Shipbuilding and military tank vehicles.....	22,495	22,139	22,655	22,994	+1.6	-2.3	-1.5	22,735	22,835	23,186	23,671	23,014
38	Instruments and related products..	8,088	7,824	7,784	7,756	+3.4	+0.5	+0.4	8,084	7,898	7,880	7,787	7,328
24,25, 39	All other durable goods.....	5,603	5,368	5,350	5,617	+4.4	+0.3	-4.8	6,039	5,614	5,268	5,283	4,954
	Nondurable goods industries.....	10,760	10,779	11,015	11,213	-0.2	-2.1	-1.8	11,024	11,125	11,148	11,225	10,141
	Market categories:												
	Home goods and apparel.....	4,798	4,499	4,589	4,909	+6.6	-2.0	-6.5	5,219	4,629	4,442	4,501	4,211
	Consumer staples.....	657	663	672	735	-0.9	-1.3	-8.6	608	651	686	772	714
	Equipment and defense products, except automotive.....	212,186	208,951	208,444	202,168	+1.5	+0.2	+3.1	213,779	211,933	212,183	204,840	186,674
	Automotive equipment.....	8,009	8,121	7,913	8,039	-1.4	+2.6	-1.6	7,800	8,105	8,135	8,401	5,478
	Construction materials, supplies and intermediate products.....	12,528	12,471	12,489	12,385	+0.5	-0.1	+0.8	12,750	12,621	12,619	12,231	12,896
	Other materials, supplies, and intermediate products.....	116,981	116,394	114,277	112,489	+0.5	+1.9	+1.6	117,939	118,778	116,367	113,758	97,008
	Supplementary series:[2]												
	Capital goods industries.....	254,554	251,670	250,319	242,889	+1.1	+0.5	+3.1	256,257	255,150	254,304	245,558	224,558
	Nondefense.....	133,399	130,512	129,425	127,802	+2.2	+0.8	+1.3	133,917	131,633	130,297	128,318	119,742
	Defense.....	121,155	121,158	120,894	115,087	0.0	+0.2	+5.0	122,340	123,517	124,007	117,240	104,816
	Household durable goods industries.....	4,221	3,911	4,012	4,346	+7.9	-2.5	-7.7	4,598	4,036	3,901	4,000	3,739

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1984[p]	Apr. 1984[r]	Mar. 1984	Feb. 1984	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1984[p]	Apr. 1984[r]	Mar. 1984	Feb. 1984	May 1983
	All manufacturing industries..	274,502	270,392	267,379	264,074	+1.5	+1.1	+1.3	276,588	272,650	268,783	265,548	260,272
	Manufacturing industries with unfilled orders.....	187,727	184,914	182,449	179,740	+1.5	+1.4	+1.5	189,894	186,654	183,286	180,249	179,333
	Durable goods industries.....	180,364	177,993	175,751	173,203	+1.3	+1.3	+1.5	182,130	179,644	176,910	174,288	172,770
	With unfilled orders.....	165,040	162,476	160,233	157,731	+1.6	+1.4	+1.6	166,628	163,855	160,936	158,317	158,331
32	Stone, clay, and glass products...	5,761	5,730	5,687	5,596	+0.5	+0.8	+1.6	5,935	5,904	5,851	5,751	5,927
322	Glass containers.....	618	628	649	631	-1.6	-3.2	+2.9	638	645	653	636	658
33	Primary metals.....	20,911	20,313	19,886	19,434	+2.9	+2.1	+2.3	20,922	20,409	19,891	19,615	20,584
331	Blast furnaces, steel mills.....	9,728	9,444	9,329	9,139	+3.0	+1.2	+2.1	9,630	9,293	9,087	9,112	9,851
333-9	Nonferrous and other primary metals.....	9,880	9,599	9,277	9,031	+2.9	+3.5	+2.7	9,949	9,791	9,490	9,220	9,528
34	Fabricated metal products.....	18,206	18,167	18,034	17,892	+0.2	+0.7	+0.8	18,581	18,526	18,366	18,115	17,702
341	Metal cans, barrels, and drums..	2,057	2,123	2,132	2,095	-3.1	-0.4	+1.8	2,323	2,378	2,320	2,240	2,285
35	Machinery, except electrical.....	38,150	37,873	37,444	37,089	+0.7	+1.1	+1.0	38,687	38,195	37,469	37,254	38,895
351	Engines and turbines.....	2,284	2,197	2,171	2,107	+4.0	+1.2	+3.0	2,294	2,224	2,162	2,138	2,198
352	Farm machinery and equipment....	1,855	1,907	1,861	1,962	-2.7	+2.5	-5.1	1,909	1,974	1,937	2,041	1,980
353	Construction, mining, and material handling equipment....	6,942	7,064	7,016	7,046	-1.7	+0.7	-0.4	7,081	7,142	7,058	7,060	8,296
354	Metalworking machinery.....	2,341	2,316	2,315	2,265	+1.1	0.0	+2.2	2,362	2,314	2,290	2,272	2,296
356	General industrial machinery....	3,515	3,495	3,456	3,487	+0.6	+1.1	-0.9	3,547	3,530	3,483	3,526	3,947
357	Office and computing machines...	10,872	10,641	10,349	10,096	+2.2	+2.8	+2.5	10,959	10,577	10,194	10,025	9,905
36	Electrical machinery.....	29,708	29,201	28,909	28,471	+1.7	+1.0	+1.5	30,243	29,640	29,029	28,364	26,948
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,304	4,269	4,232	4,211	+0.8	+0.9	+0.5	4,390	4,305	4,198	4,191	4,060
363	Household appliances.....	2,351	2,310	2,226	2,094	+1.8	+3.8	+6.3	2,518	2,446	2,282	2,113	1,962
365	Radio and TV.....	1,123	1,097	1,070	1,059	+2.4	+2.5	+1.0	1,151	1,100	1,039	1,023	991
366	Communication equipment.....	11,669	11,407	11,413	11,188	+2.3	-0.1	+2.0	11,759	11,538	11,515	11,181	10,479
367	Electronic components.....	5,941	5,871	5,795	5,800	+1.2	+1.3	-0.1	5,989	5,924	5,806	5,766	5,406
37	Transportation equipment.....	43,680	42,756	42,082	41,206	+2.2	+1.6	+2.1	43,542	42,807	42,398	41,591	39,738
371	Motor vehicles and parts.....	10,171	9,974	9,934	9,751	+2.0	+0.4	+1.9	10,015	9,917	10,023	9,931	8,347
372,6	Aircraft, missiles, and parts...	30,611	29,904	29,297	28,664	+2.4	+2.1	+2.2	30,684	30,026	29,495	28,773	28,440
3731,95	Shipbuilding and military tank vehicles.....	1,290	1,258	1,251	1,253	+2.5	+0.6	-0.2	1,287	1,262	1,253	1,268	1,606
38	Instruments and related products..	9,290	9,146	9,087	9,020	+1.6	+0.6	+0.7	9,461	9,306	9,129	8,979	9,159
381-4	Scientific and engineering instruments.....	6,632	6,560	6,522	6,498	+1.1	+0.6	+0.4	6,712	6,659	6,561	6,478	6,592
386	Photographic goods.....	2,107	2,048	2,022	1,989	+2.9	+1.3	+1.7	2,181	2,097	2,024	1,973	2,036
24,25, 39	All other durable goods.....	14,658	14,807	14,622	14,495	-1.0	+1.3	+0.9	14,759	14,857	14,777	14,619	13,817
	Nondurable goods industries.....	94,138	92,399	91,628	90,871	+1.9	+0.8	+0.8	94,458	93,006	91,873	91,260	87,502
	With unfilled orders.....	22,687	22,438	22,216	22,009	+1.1	+1.0	+0.9	23,266	22,799	22,350	21,932	21,002
20	Food and kindred products.....	22,130	21,511	21,629	21,354	+2.9	-0.5	+1.3	21,137	21,018	21,294	21,578	19,641
201	Meat products.....	2,264	2,152	2,196	2,133	+5.2	-2.0	+3.0	2,325	2,262	2,229	2,191	2,066
208	Beverages.....	3,482	3,486	3,354	3,375	-0.1	+3.9	-0.6	3,516	3,566	3,474	3,477	3,692
207	Fats and oils.....	1,789	1,602	1,767	1,795	+11.7	-9.3	-1.6	1,674	1,652	1,816	1,965	1,188
203-6,9	All other foods.....	12,805	12,470	12,517	12,314	+2.7	-0.4	+1.6	11,781	11,710	12,004	12,227	10,934
21	Tobacco products.....	3,642	3,683	3,771	3,831	-1.1	-2.3	-1.6	3,558	3,746	3,876	4,019	4,100
22	Textile mill products.....	7,190	7,097	7,066	6,960	+1.3	+0.4	+1.5	7,408	7,259	7,223	7,100	6,574
26	Paper and allied products.....	9,116	9,036	8,914	8,898	+0.9	+1.4	+0.2	9,354	9,233	8,992	8,863	8,597
261-3,6	Pulp, paper etc.....	3,326	3,322	3,293	3,293	+0.1	+0.9	0.0	3,394	3,364	3,306	3,281	3,373
265	Paperboard containers.....	2,481	2,454	2,420	2,396	+1.1	+1.4	+1.0	2,535	2,501	2,420	2,364	2,218
264	All other paper products.....	3,309	3,260	3,201	3,209	+1.5	+1.8	-0.2	3,425	3,368	3,266	3,218	3,006
28	Chemicals and allied products.....	20,929	20,585	20,357	19,840	+1.7	+1.1	+2.6	21,163	20,911	20,602	20,193	19,545
281,6	Industrial chemicals, except pigments.....	6,547	6,375	6,353	6,100	+2.7	+0.3	+4.1	6,633	6,438	6,347	6,143	5,968
283,4	Drugs, soaps, and toiletries....	6,622	6,594	6,500	6,395	+0.4	+1.4	+1.6	6,808	6,699	6,500	6,388	6,367
29	Petroleum and coal products.....	9,087	8,947	8,319	8,739	+1.6	+7.5	-4.8	9,008	8,831	8,282	8,497	8,517
30	Rubber and plastics products.....	5,983	5,786	5,900	5,797	+3.4	-1.9	+1.8	6,172	6,056	6,063	5,855	5,849
23,27, 31	All other nondurable goods.....	16,061	15,754	15,672	15,452	+1.9	+0.5	+1.4	16,658	15,952	15,541	15,155	14,679
	Market categories:												
	Home goods and apparel.....	22,258	22,023	21,695	21,365	+1.1	+1.5	+1.5	23,157	22,367	21,694	21,231	20,724
	Consumer staples.....	33,714	33,257	33,173	32,865	+1.4	+0.3	+0.9	32,995	32,938	32,939	33,040	31,873
	Equipment and defense products, except automotive.....	77,054	76,020	74,849	74,025	+1.4	+1.6	+1.1	77,790	76,628	75,263	74,253	75,002
	Automotive equipment.....	12,363	12,163	12,167	11,945	+1.6	0.0	+1.9	12,226	12,147	12,362	12,238	10,430
	Construction materials, supplies and intermediate products.....	19,571	19,539	19,298	19,199	+0.2	+1.2	+0.5	19,776	19,838	19,779	19,559	18,880
	Other materials, supplies, and intermediate products.....	109,542	107,390	106,197	104,675	+2.0	+1.1	+1.5	110,644	108,732	106,746	105,227	103,363
	Supplementary series:[2]												
	Capital goods industries.....	87,779	86,342	85,207	83,839	+1.7	+1.3	+1.6	88,672	86,991	85,469	83,998	85,008
	Nondefense.....	68,272	67,417	66,670	65,622	+1.3	+1.1	+1.6	68,851	67,891	66,715	65,806	67,558
	Defense.....	19,507	18,925	18,537	18,217	+3.1	+2.1	+1.8	19,821	19,100	18,754	18,192	17,450
	Household durable goods industries.....	10,652	10,623	10,391	10,161	+0.3	+2.2	+2.3	10,994	10,801	10,426	10,165	10,099

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		May 1984P	Apr. 1984r	Mar. 1984	Feb. 1984	Apr.-MayP	Mar.-Apr.r	Feb.-Mar.	May 1984P	Apr. 1984r	Mar. 1984	Feb. 1984	May 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	91,458	90,003	89,822	89,291	+1.6	+0.2	+0.6	91,503	90,458	90,233	89,684	85,237
	Durable goods industries.....	53,905	53,072	52,866	52,228	+1.6	+0.4	+1.2	53,775	52,996	52,765	52,299	50,673
32	Stone, clay, and glass products...	1,939	1,884	1,866	1,847	+2.9	+1.0	+1.0	1,926	1,886	1,875	1,860	1,938
33	Primary metals.....	6,584	6,428	6,381	6,261	+2.4	+0.7	+1.9	6,403	6,237	6,277	6,302	6,901
34	Fabricated metal products.....	7,209	7,195	7,059	7,051	+0.2	+1.9	+0.1	7,255	7,249	7,156	7,086	6,780
35	Machinery, except electrical.....	11,251	10,984	10,930	10,701	+2.4	+0.5	+2.1	11,318	11,069	10,880	10,730	11,126
36	Electrical Machinery.....	8,033	7,936	7,952	7,892	+1.2	-0.2	+0.8	8,102	8,069	7,875	7,829	7,313
37	Transportation equipment.....	10,811	10,699	10,851	10,664	+1.0	-1.4	+1.8	10,830	10,689	10,891	10,693	9,179
38	Instruments and related products..	2,749	2,603	2,528	2,513	+5.6	+3.0	+0.6	2,753	2,610	2,559	2,505	2,600
24,25, 39	All other durable goods.....	5,329	5,343	5,299	5,299	-0.3	+0.8	0.0	5,188	5,187	5,252	5,294	4,836
	Nondurable goods industries.....	37,553	36,931	36,956	37,063	+1.7	-0.1	-0.3	37,728	37,462	37,468	37,385	34,564
20	Food and kindred products.....	8,431	8,292	8,288	8,526	+1.7	0.0	-2.8	8,281	8,374	8,490	8,750	7,444
21	Tobacco products.....	3,147	3,155	3,281	3,318	-0.3	-3.8	-1.1	3,116	3,260	3,382	3,504	3,661
22	Textile mill products.....	2,288	2,238	2,200	2,220	+2.2	+1.7	-0.9	2,364	2,290	2,282	2,253	1,985
26	Paper and allied products.....	4,760	4,685	4,613	4,569	+1.6	+1.6	+1.0	4,773	4,713	4,622	4,527	4,175
28	Chemicals and allied products.....	8,188	7,913	7,870	7,767	+3.5	+0.5	+1.3	8,257	8,030	7,973	7,820	7,344
29	Petroleum and coal products.....	2,064	2,166	2,183	2,214	-4.7	-0.8	-1.4	2,197	2,221	2,168	2,178	2,542
30	Rubber and plastics products.....	2,307	2,239	2,280	2,260	+3.0	-1.8	+0.9	2,313	2,282	2,267	2,216	2,006
23,27, 31	All other nondurable goods.....	6,368	6,243	6,241	6,189	+2.0	0.0	+0.8	6,427	6,292	6,284	6,137	5,407
	WORK IN PROCESS												
	All manufacturing industries..	97,772	96,327	94,685	92,912	+1.5	+1.7	+1.9	98,551	97,013	95,209	93,431	91,668
	Durable goods industries.....	82,598	81,465	79,926	78,173	+1.4	+1.9	+2.2	83,166	81,971	80,454	78,723	77,278
32	Stone, clay, and glass products...	742	743	768	791	-0.1	-3.3	-2.9	781	794	816	831	889
33	Primary metals.....	8,245	8,090	7,781	7,529	+1.9	+4.0	+3.3	8,307	8,126	7,738	7,570	7,365
34	Fabricated metal products.....	6,409	6,362	6,301	6,152	+0.7	+1.0	+2.4	6,585	6,512	6,444	6,232	6,186
35	Machinery, except electrical.....	15,771	15,798	15,592	15,142	-0.2	+1.3	+3.0	15,974	15,872	15,598	15,259	15,879
36	Electrical Machinery.....	15,819	15,515	15,358	15,133	+2.0	+1.0	+1.5	16,018	15,650	15,457	15,133	14,024
37	Transportation equipment.....	28,020	27,275	26,560	25,890	+2.7	+2.7	+2.6	27,845	27,307	26,791	26,168	25,658
38	Instruments and related products..	3,961	3,935	3,927	3,917	+0.7	+0.2	+0.3	4,007	4,005	3,961	3,921	4,062
24,25, 39	All other durable goods.....	3,631	3,747	3,639	3,619	-3.1	+3.0	+0.6	3,649	3,705	3,649	3,609	3,215
	Nondurable goods industries.....	15,174	14,862	14,759	14,739	+2.1	+0.7	+0.1	15,385	15,042	14,755	14,708	14,390
20	Food and kindred products.....	1,703	1,724	1,744	1,766	-1.2	-1.1	-1.2	1,710	1,725	1,772	1,807	1,770
21	Tobacco products.....	247	258	210	229	-4.3	+22.9	-8.3	186	194	194	232	168
22	Textile mill products.....	2,193	2,167	2,280	2,232	+1.2	-5.0	+2.2	2,211	2,200	2,296	2,285	2,073
26	Paper and allied products.....	1,109	1,087	1,103	1,109	+2.0	-1.5	-0.5	1,127	1,105	1,102	1,101	1,052
28	Chemicals and allied products.....	3,557	3,429	3,332	3,419	+3.7	+2.9	-2.5	3,637	3,483	3,362	3,425	3,327
29	Petroleum and coal products.....	1,859	1,717	1,556	1,562	+8.3	+10.3	-0.4	1,900	1,759	1,555	1,523	1,874
30	Rubber and plastics products.....	1,003	989	1,018	966	+1.4	-2.8	+5.4	1,000	1,019	1,019	970	934
23,27, 31	All other nondurable goods.....	3,503	3,491	3,516	3,456	+0.3	-0.7	+1.7	3,614	3,557	3,455	3,365	3,192
	FINISHED GOODS												
	All manufacturing industries..	85,272	84,062	82,872	81,871	+1.4	+1.4	+1.2	86,534	85,179	83,341	82,433	83,367
	Durable goods industries.....	43,861	43,456	42,959	42,802	+0.9	+1.2	+0.4	45,189	44,677	43,691	43,266	44,819
32	Stone, clay, and glass products...	3,080	3,103	3,053	2,958	-0.7	+1.6	+3.2	3,228	3,224	3,160	3,060	3,100
33	Primary metals.....	6,082	5,795	5,724	5,644	+5.0	+1.2	+1.4	6,212	6,046	5,876	5,743	6,318
34	Fabricated metal products.....	4,588	4,610	4,674	4,689	-0.5	-1.4	-0.3	4,741	4,765	4,766	4,797	4,736
35	Machinery, except electrical.....	11,128	11,091	10,922	11,246	+0.3	+1.5	-2.9	11,395	11,254	10,991	11,265	11,890
36	Electrical Machinery.....	5,856	5,750	5,599	5,446	+1.8	+2.7	+2.8	6,123	5,921	5,697	5,402	5,611
37	Transportation equipment.....	4,849	4,782	4,671	4,652	+1.4	+2.4	+0.4	4,867	4,811	4,716	4,730	4,901
38	Instruments and related products..	2,580	2,608	2,632	2,590	-1.1	-0.9	+1.6	2,701	2,691	2,609	2,553	2,497
24,25, 39	All other durable goods.....	5,698	5,717	5,684	5,577	-0.3	+0.6	+1.9	5,922	5,965	5,876	5,716	5,766
	Nondurable goods industries.....	41,411	40,606	39,913	39,069	+2.0	+1.7	+2.2	41,345	40,502	39,650	39,167	38,548
20	Food and kindred products.....	11,996	11,495	11,597	11,062	+4.4	-0.9	+4.8	11,146	10,919	11,032	11,021	10,427
21	Tobacco products.....	248	270	280	284	-8.1	-3.6	-1.4	256	292	300	283	271
22	Textile mill products.....	2,709	2,692	2,586	2,508	+0.6	+4.1	+3.1	2,833	2,769	2,645	2,562	2,516
26	Paper and allied products.....	3,247	3,264	3,198	3,220	-0.5	+2.1	-0.7	3,454	3,415	3,268	3,235	3,370
28	Chemicals and allied products.....	9,184	9,243	9,155	8,654	-0.6	+1.0	+5.8	9,269	9,398	9,267	8,948	8,874
29	Petroleum and coal products.....	5,164	5,064	4,580	4,963	+2.0	+10.6	-7.7	4,911	4,851	4,559	4,796	4,101
30	Rubber and plastics products.....	2,673	2,558	2,602	2,571	+4.5	-1.7	+1.2	2,859	2,755	2,777	2,669	2,909
23,27, 31	All other nondurable goods.....	6,190	6,020	5,915	5,807	+2.8	+1.8	+1.9	6,617	6,103	5,802	5,653	6,080

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		May 1984P	Apr. 1984r	Mar. 1984	Feb. 1984	May 1984P	Apr. 1984r	Mar. 1984	Feb. 1984
	All manufacturing industries	1.45	1.44	1.42	1.43	3.55	3.59	3.54	3.51
	Durable goods industries	1.84	1.86	1.81	1.80	4.33	4.38	4.30	4.26
32	Stone, clay, and glass products	1.25	1.28	1.28	1.21	0.58	0.59	0.59	0.53
33	Primary metals	1.83	1.82	1.72	1.77	1.94	2.05	1.89	2.02
34	Fabricated metal products	1.63	1.66	1.64	1.61	2.07	2.08	2.07	2.05
35	Machinery, except electrical	2.16	2.26	2.20	2.25	3.73	3.87	3.80	3.87
36	Electrical machinery	1.98	2.00	1.91	2.00	5.17	5.14	4.96	5.15
37	Transportation equipment	1.89	1.87	1.81	1.70	12.08	11.90	12.01	10.94
38	Instruments and related products	1.91	1.93	1.98	2.04	1.67	1.65	1.70	1.75
	Nondurable goods industries	1.03	1.01	1.00	1.02	0.53	0.54	0.55	0.56
20	Food and kindred products	0.89	0.86	0.87	0.89	(X)	(X)	(X)	(X)
21	Tobacco products	2.58	2.79	2.34	2.84	(X)	(X)	(X)	(X)
22	Textile mill products	1.54	1.50	1.50	1.45	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.13	1.16	1.15	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.19	1.17	1.18	1.16	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.55	0.52	0.48	0.55	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.35	1.34	1.33	1.34	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago May 1983	All Mays 1979-1983	May 1983-Apr. 1984	Year ago May 1983	All Mays 1979-1983	May 1983-Apr. 1984	Year ago May 1983	All Mays 1979-1983	May 1983-Apr. 1984	Year ago May 1983	All Mays 1979-1983	May 1983-Apr. 1984
	All manufacturing industries	0.1	0.2	0.3	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.1	0.1	0.4	0.3	0.3	0.7	0.1	0.1	0.2	0.0	0.0	0.2
32	Stone, clay, and glass products	0.7	0.9	0.8	0.6	1.1	1.1	0.1	0.5	1.2	1.8	0.5	0.6
33	Primary metals	0.4	0.4	0.8	0.7	1.0	1.4	0.2	0.3	0.5	0.0	0.2	0.2
34	Fabricated metal products	0.0	0.4	0.8	0.1	1.1	1.0	0.1	0.2	0.3	0.1	0.2	0.3
35	Machinery, except electrical	0.9	1.0	0.9	0.5	1.3	1.3	0.1	0.3	0.2	0.1	0.1	0.3
36	Electrical machinery	0.6	0.6	0.9	2.2	1.0	1.3	0.3	0.2	0.2	0.1	0.1	0.2
37	Transportation equipment	0.1	0.4	0.6	0.7	2.2	1.6	0.2	0.1	0.2	0.3	0.2	0.3
38	Instruments and related products	0.6	0.9	1.0	1.3	1.5	1.1	0.4	0.9	0.4	0.3	0.4	0.5
	Nondurable goods industries	0.4	0.5	0.4	0.3	0.5	0.4	0.1	0.4	0.4	0.3	0.1	0.3
20	Food and kindred products	0.8	0.9	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.7	0.6
21	Tobacco products	0.1	1.5	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.3
22	Textile mill products	0.2	0.8	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.1	0.5
26	Paper and allied products	0.4	1.1	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.4	0.4
28	Chemicals and allied products	1.0	0.6	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.6
29	Petroleum and coal products	0.6	0.9	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.9	1.2	0.6
30	Rubber and plastics products	0.9	1.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.9	1.1	0.6
	Capital Goods Industries:												
	Nondefense	0.5	0.7	0.7	0.7	1.5	1.0	0.3	0.2	0.2	0.0	0.1	0.2
	Defense	0.6	0.6	0.8	0.2	1.1	2.9	0.1	0.1	0.2	0.1	0.3	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C
3.158:
M3-1(84)-6

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

NOV 1984
DEPOSITORY

U.S. Department of Commerce
BUREAU OF THE CENSUS

JUNE 1984
M3-1(84)-6
For Wire Transmission 10:00 A.M. E.D.T. Wednesday, August 1, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in June decreased $2.7 billion or 1.4 percent to $191.0 billion. New orders have declined 2 of the last 3 months and are now back to their February level. The durable goods sector accounted for most of the June decrease.

Shipments of manufactured goods in June increased $0.9 billion or 0.5 percent to $190.3 billion. An increase of 1.3 percent in the durable goods sector was partially offset by a decline of 0.4 percent in shipments of nondurables.

The value of unfilled orders held by manufacturers increased $0.8 billion or 0.2 percent to $356.2 billion. This is the smallest 1-month gain since the 0.2 percent increase in March 1983.

Manufacturers' inventories increased $2.7 billion or 1.0 percent in June to $277.3 billion. This increase brought the inventory to shipments ratio for June to 1.46. The ratio has been steadily rising since reaching a low last December of 1.40.

NEW ORDERS. Most of the decline in the June new orders came in the durable goods sector, where orders were down $2.4 billion or 2.4 percent to $99.8 billion. This revises upward the earlier reported 3.2 percent decline. The largest decrease in June was in electrical machinery, down $1.5 billion or 8.4 percent to $16.1 billion. This category has shown large fluctuations the last 3 months; May had an increase of 19.2 percent while April declined 12.9 percent. Nonelectrical machinery orders in June were down $0.3 billion or 1.6 percent to $18.5 billion following an 11.4 percent increase in May. The only major industry category showing an increase in new orders was transportation equipment, up $0.3 billion or 1.2 percent to $24.1 billion; an increase in aircraft and parts was partially offset by declines in motor vehicles and shipbuilding.

New orders for nondurable goods declined $0.2 billion or 0.3 percent to $91.2 billion.

SHIPMENTS. Most of the 1.3 percent increase in durable goods shipments in June reflected gains in the machinery and transportation equipment categories. Electrical machinery was up $0.5 billion or 3.3 percent, transportation equipment $0.4 billion or 1.6 percent, and nonelectrical machinery $0.2 billion or 1.3 percent.

The $0.4 billion or 0.4 percent decline in nondurable shipments resulted from a combination of small opposing changes, except in food products where shipments fell $0.6 billion or 2.4 percent to $24.4 billion.

UNFILLED ORDERS. The largest increase in unfilled orders in June was reported by machinery manufacturers, up $1.1 billion or 0.8 percent increase over May; the increase was split between the electrical and nonelectrical categories. Primary metals producers reported another sharp decline in unfilled orders. The June decrease of $0.8 billion or 3.7 percent to $21.4 billion followed a May decline of 3.0 percent or $0.7 billion.

INVENTORIES. Increases in manufacturers' inventories in June were widespread. Within the durable goods sector which increased $1.7 billion or 0.9 percent to $182.3 billion, most of the major industries increased between 1 and 1-1/2 percent from May. In the nondurable goods sector, which was up in total $1.0 billion or 1.1 percent to $95.0 billion, the chemical industry accounted for most of the increase, going up $0.9 billion or 4.1 percent to $21.7 billion.

Inventories have been expanding at an increased rate since January, in particular work in process and finished goods. Work in process inventories in June were up 1.5 percent, and since January have averaged a 1.6 percent per month increase. Finished goods inventories in June increased 1.7 percent, and since January have averaged a 1.5 percent per month increase. Materials and supplies inventories in June showed little change, but since January have averaged a 0.7 percent increase per month.

SCHEDULED RELEASE DATES. The advance report on durable goods for July is scheduled for release on August 22, 1984 at 8:30 A.M. and the full report on August 30, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyen or Kathleen Swindell-Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1984P	May 1984r	Apr. 1984	Mar. 1984	May-JuneP	Apr.-Mayr	Mar.-Apr.	June 1984P	May 1984r	Apr. 1984	Mar. 1984	1984P	1983
	All manufacturing industries	190,252	189,376	187,332	188,479	+0.5	+1.1	-0.6	201,773	191,416	188,667	197,619	1,135,847	989,411
	Manufacturing industries with unfilled orders	102,096	100,178	97,825	98,323	+1.9	+2.4	-0.5	108,405	100,927	98,689	104,022	597,836	507,738
	Durable goods industries	99,171	97,944	95,697	96,990	+1.3	+2.3	-1.3	107,113	99,968	97,967	103,730	591,541	491,631
	With unfilled orders	81,296	79,623	77,689	78,470	+2.1	+2.5	-1.0	87,197	80,486	78,562	83,481	476,823	401,081
32	Stone, clay, and glass products	4,518	4,612	4,486	4,458	-2.0	+2.8	+0.6	4,950	4,719	4,578	4,511	26,844	23,395
322	Glass containers	377	404	389	388	-6.7	+3.9	+0.3	425	415	396	417	2,360	2,484
33	Primary metals	11,463	11,342	11,191	11,571	+1.1	+1.3	-3.3	12,188	11,756	11,772	12,404	70,103	56,476
331	Blast furnaces, steel mills	4,911	5,032	4,719	4,751	-2.4	+6.6	-0.7	5,269	5,097	5,012	5,211	29,678	23,099
333-9	Nonferrous and other primary metals	5,339	5,105	5,280	5,567	+4.6	-3.3	-5.2	5,584	5,335	5,481	5,873	32,695	27,760
34	Fabricated metal products	11,120	11,219	10,930	10,977	-0.9	+2.6	-0.4	11,991	11,426	11,181	11,589	67,199	58,257
341	Metal cans, barrels, and drums	944	921	890	899	+2.5	+3.5	-1.0	1,050	957	880	907	5,396	5,563
35	Machinery, except electrical	17,934	17,704	16,768	17,029	+1.3	+5.6	-1.5	19,651	17,644	16,685	18,506	103,632	85,601
351	Engines and turbines	1,293	1,228	1,286	1,215	+5.3	-4.5	+5.8	1,419	1,248	1,330	1,395	7,712	6,037
352	Farm machinery and equipment	851	924	912	942	-7.9	+1.3	-3.2	939	1,015	1,016	1,129	5,868	5,596
353	Construction, mining, and material handling equipment	2,984	2,843	2,549	2,553	+5.0	+11.5	-0.2	3,193	2,880	2,585	2,663	16,214	13,391
354	Metalworking machinery	776	847	832	786	-8.4	+1.8	+5.9	854	824	814	876	4,849	3,836
356	General industrial machinery	1,380	1,394	1,359	1,347	-1.0	+2.6	+0.9	1,493	1,414	1,344	1,406	8,321	7,060
357	Office and computing machines	4,854	4,493	4,112	4,516	+8.0	+9.3	-8.9	5,344	4,161	3,689	4,833	24,971	21,197
36	Electrical machinery	15,502	15,006	14,606	15,127	+3.3	+2.7	-3.4	16,583	14,970	14,637	15,791	89,545	75,266
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,057	2,034	2,002	2,087	+1.1	+1.6	-4.1	2,217	2,041	2,019	2,244	12,321	10,793
363	Household appliances	1,618	1,486	1,334	1,383	+8.9	+11.4	-3.5	1,754	1,470	1,337	1,459	8,701	7,238
365	Radio and TV	786	936	815	893	-16.0	+14.8	-8.7	918	842	721	856	4,904	3,989
366	Communication equipment	4,682	4,439	4,286	4,667	+5.5	+3.6	-8.2	5,035	4,509	4,411	4,965	26,724	23,881
367	Electronic components	3,931	3,687	3,676	3,634	+6.6	+0.3	+1.2	4,120	3,757	3,801	3,732	22,219	16,947
37	Transportation equipment	23,578	23,196	22,845	23,215	+1.6	+1.5	-1.6	25,774	24,465	24,167	25,649	146,403	117,163
371	Motor vehicles and parts	15,327	15,558	15,175	15,890	-1.5	+2.5	-4.5	17,062	16,717	16,363	17,636	100,015	72,854
372,6	Aircraft, missiles, and parts	6,564	6,006	5,992	5,656	+9.3	+0.2	+5.9	6,951	6,047	6,011	6,160	36,168	35,326
3731,95	Shipbuilding and military tank vehicles	893	779	918	869	+14.6	-15.1	+5.6	934	819	878	903	5,089	5,015
38	Instruments and related products	4,768	4,809	4,734	4,590	-0.9	+1.6	+3.1	5,115	4,710	4,634	4,851	27,684	23,909
381-4	Scientific and engineering instruments	2,770	2,824	2,717	2,722	-1.9	+3.9	-0.2	2,947	2,747	2,709	2,924	16,444	14,151
386	Photographic goods	1,789	1,767	1,797	1,667	+1.2	-1.7	+7.8	1,950	1,746	1,707	1,709	10,027	8,594
24,25, 39	All other durable goods	10,288	10,056	10,137	10,023	+2.3	-0.8	+1.1	10,861	10,278	10,313	10,429	60,131	51,564
	Nondurable goods industries	91,081	91,432	91,635	91,489	-0.4	-0.2	+0.2	94,660	91,448	90,700	93,889	544,306	497,780
	With unfilled orders	20,800	20,555	20,136	19,853	+1.2	+2.1	+1.4	21,208	20,441	20,127	20,541	121,013	106,657
20	Food and kindred products	24,354	24,944	25,143	24,750	-2.4	-0.8	+1.6	25,350	24,545	24,339	25,454	146,689	141,019
201	Meat products	5,779	5,817	6,020	6,000	-0.7	-3.4	+0.3	5,888	5,806	5,755	5,820	34,605	33,167
208	Beverages	3,723	3,657	3,607	3,547	+1.8	+1.4	+1.7	4,218	3,821	3,715	3,484	21,394	20,725
207	Fats and oils	1,456	1,500	1,384	1,312	-2.9	+8.4	+5.5	1,438	1,405	1,342	1,395	8,404	7,883
203-6,9	All other foods	10,211	10,773	10,893	10,716	-5.2	-1.1	+1.7	10,487	10,310	10,294	11,552	62,811	60,352
21	Tobacco products	1,566	1,414	1,321	1,614	+10.7	+7.0	-18.2	1,641	1,420	1,286	1,500	8,123	6,997
22	Textile mill products	4,652	4,687	4,737	4,710	-0.7	-1.1	+0.6	5,056	4,762	4,694	5,186	28,671	25,186
26	Paper and allied products	8,154	8,026	7,784	7,778	+1.6	+3.1	+0.1	8,510	8,076	7,917	8,149	48,135	41,845
261-3,6	Pulp, paper etc.	3,505	3,528	3,411	3,377	-0.7	+3.4	+1.0	3,685	3,612	3,491	3,563	21,017	17,789
265	Paperboard containers	1,805	1,836	1,777	1,759	-1.7	+3.3	+1.0	1,874	1,838	1,803	1,849	10,773	9,303
264	All other paper products	2,844	2,662	2,596	2,642	+6.8	+2.5	-1.7	2,951	2,626	2,623	2,737	16,345	14,753
28	Chemicals and allied products	17,497	17,559	17,643	17,262	-0.4	-0.5	+2.2	18,617	18,493	18,308	18,703	108,092	93,413
281,6	Industrial chemicals, except pigments	5,688	5,589	5,717	5,387	+1.8	-2.2	+6.1	6,012	5,690	5,945	5,985	34,750	28,763
283,4	Drugs, soaps, and toiletries	4,376	4,492	4,301	4,378	-2.6	+4.4	-1.8	4,639	4,200	4,039	4,640	25,953	24,522
29	Petroleum and coal products	16,622	16,507	17,168	17,314	+0.7	-3.9	-0.8	17,120	16,534	16,579	16,842	98,482	92,344
30	Rubber and plastics products	4,304	4,400	4,330	4,438	-2.2	+1.6	-2.4	4,630	4,411	4,475	4,494	26,335	24,538
23,27, 31	All other nondurable goods	13,932	13,895	13,509	13,623	+0.3	+2.9	-0.8	13,736	13,207	13,102	13,561	79,779	72,438
	Market categories:													
	Home goods and apparel	13,317	13,204	12,680	13,124	+0.9	+4.1	-3.4	13,727	12,583	12,226	13,614	76,776	67,816
	Consumer staples	33,366	33,786	33,741	33,699	-1.2	+0.1	+0.1	34,692	33,162	32,812	34,366	197,849	187,251
	Equipment and defense products, except automotive	28,883	27,830	26,809	27,193	+3.8	+3.8	-1.4	31,217	27,791	26,656	29,224	163,960	143,590
	Automotive equipment	17,356	17,673	17,192	17,996	-1.8	+2.8	-4.5	19,248	18,935	18,642	19,889	112,678	83,855
	Construction materials, supplies and intermediate products	14,446	14,331	14,283	14,177	+0.8	+0.3	+0.7	15,801	14,829	14,620	14,359	85,111	74,621
	Other materials, supplies, and intermediate products	82,884	82,552	82,627	82,290	+0.4	-0.1	+0.4	87,088	84,116	83,711	86,167	499,473	432,278
	Supplementary series:[2]													
	Capital goods industries	32,958	31,643	30,784	30,967	+4.2	+2.8	-0.6	35,535	31,511	30,453	33,228	187,274	163,177
	Nondefense	27,043	25,894	24,799	25,236	+4.4	+4.4	-1.7	29,386	25,695	24,515	27,199	152,509	131,687
	Defense	5,915	5,749	5,985	5,731	+2.9	-3.9	+4.4	6,149	5,816	5,938	6,029	34,765	31,490
	Household durable goods industries	6,556	6,299	5,934	6,043	+4.1	+6.2	-1.8	6,819	6,179	5,858	6,394	36,320	30,477

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1984P	May 1984r	Apr. 1984	Mar. 1984	May-JuneP	Apr.-Mayr	Mar.-Apr.	June 1984P	May 1984r	Apr. 1984	Mar. 1984	1984P	1983
	All manufacturing industries	191,025	193,680	189,715	196,477	-1.4	+2.1	-3.4	199,594	193,010	190,601	207,903	1,164,035	1,003,744
	Manufacturing industries with unfilled orders	102,869	104,482	100,208	106,321	-1.5	+4.3	-5.7	106,226	102,521	100,623	114,306	626,024	522,071
	Durable goods industries	99,831	102,256	98,317	105,183	-2.4	+4.0	-6.5	105,078	101,659	99,921	114,091	619,365	504,689
	With unfilled orders	81,956	83,935	80,309	86,663	-2.4	+4.5	-7.3	85,162	82,177	80,516	93,842	504,647	414,139
32	Stone, clay, and glass products	4,413	4,622	4,508	4,583	-4.5	+2.5	-1.6	4,821	4,763	4,621	4,628	27,262	23,751
33	Primary metals	10,632	10,653	11,877	11,657	-0.2	-10.3	+1.9	10,766	10,524	11,950	12,878	70,974	59,141
331	Blast furnaces, steel mills	4,464	4,357	4,782	4,988	+2.5	-8.9	-4.1	4,443	4,118	4,813	5,628	29,844	24,359
333-9	Nonferrous and other primary metals	4,857	5,046	5,770	5,309	-3.7	-12.5	+8.7	4,970	5,099	5,766	5,812	32,880	29,054
34	Fabricated metal products	11,123	11,573	10,889	10,931	-3.9	+6.3	-0.4	12,073	11,706	11,062	11,986	68,486	58,250
35	Machinery, except electrical	18,489	18,797	16,873	18,303	-1.6	+11.4	-7.8	19,918	18,581	17,191	19,429	108,765	85,512
351	Engines and turbines	1,459	964	1,227	1,176	+51.3	-21.4	+4.3	1,399	1,056	1,219	1,339	7,225	5,351
353	Construction, mining, and material handling equipment	2,963	3,042	2,608	2,701	-2.6	+16.6	-3.4	3,153	3,031	2,584	2,796	16,756	13,212
354	Metalworking machinery	838	981	846	831	-14.6	+16.0	+1.8	919	943	862	910	5,317	3,652
356	General industrial machinery	1,488	1,346	1,387	1,334	+10.5	-3.0	+4.0	1,535	1,388	1,377	1,393	8,491	6,824
357	Office and computing machines	5,071	5,059	4,313	5,126	+0.2	+17.3	-15.9	5,725	4,827	4,372	5,187	28,227	22,360
36	Electrical machinery	16,065	17,535	14,716	16,892	-8.4	+19.2	-12.9	16,712	17,105	15,133	17,852	98,881	79,167
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,968	1,924	1,988	2,076	+2.3	-3.2	-4.2	2,075	1,905	2,040	2,260	12,354	10,671
363	Household appliances	1,516	1,597	1,339	1,373	-5.1	+19.3	-2.5	1,638	1,603	1,347	1,463	8,777	7,405
365	Radio and TV	864	1,144	676	736	-24.5	+69.2	-8.2	1,078	1,110	525	659	5,193	4,078
366	Communication equipment	5,722	5,606	4,063	5,721	+2.1	+38.0	-29.0	5,327	5,505	4,233	6,248	31,269	25,633
367	Electronic components	3,593	4,831	4,163	4,509	-25.6	+16.0	-7.7	4,071	4,629	4,635	4,671	26,576	18,896
37	Transportation equipment	24,071	23,776	24,523	28,444	+1.2	-3.0	-13.8	24,913	23,459	24,652	31,960	155,649	121,252
372,6	Aircraft, missiles, and parts	7,158	6,393	8,001	11,263	+12.0	-20.1	-29.0	7,142	5,487	6,894	13,130	46,173	39,158
3731,95	Shipbuilding and military tank vehicles	921	1,135	402	531	-18.9	+182.3	-24.3	212	718	526	418	4,444	5,021
38	Instruments and related products	4,888	5,079	4,775	4,617	-3.8	+6.4	+3.4	5,299	4,900	4,653	4,943	28,303	24,572
24,25, 39	All other durable goods	10,150	10,221	10,156	9,756	-0.7	+0.6	+4.1	10,576	10,621	10,659	10,415	61,045	53,044
	Nondurable goods industries	91,194	91,424	91,398	91,294	-0.3	0.0	+0.1	94,516	91,351	90,680	93,812	544,670	499,055
	With unfilled orders	20,913	20,547	19,899	19,658	+1.8	+3.3	+1.2	21,064	20,344	20,107	20,464	121,377	107,932
	Market categories:													
	Home goods and apparel	13,168	13,440	12,590	12,802	-2.0	+6.8	-1.7	13,513	13,095	12,417	13,554	77,991	69,052
	Consumer staples	33,338	33,806	33,731	33,637	-1.4	+0.2	+0.3	34,663	33,143	32,777	34,279	197,752	187,163
	Equipment and defense products, except automotive	30,641	31,044	27,319	33,469	-1.3	+13.6	-18.4	31,056	29,607	26,410	36,564	180,664	147,905
	Automotive equipment	17,165	17,561	17,400	17,871	-2.3	+0.9	-2.6	18,881	18,631	18,612	19,623	112,334	84,085
	Construction materials, supplies and intermediate products	14,449	14,429	14,267	14,283	+0.1	+1.1	-0.1	15,813	15,000	14,621	14,747	86,064	75,073
	Other materials, supplies, and intermediate products	82,264	83,400	84,408	84,415	-1.4	-1.2	0.0	85,668	83,534	85,764	89,136	509,230	440,466
	Supplementary series:[2]													
	Capital goods industries	35,127	34,637	32,133	38,399	+1.4	+7.8	-16.3	35,496	32,721	31,303	41,970	206,686	168,928
	Nondefense	28,082	28,958	25,885	26,860	-3.0	+11.9	-3.6	29,978	28,150	25,854	29,175	164,087	129,313
	Defense	7,045	5,679	6,248	11,539	+24.1	-9.1	-45.9	5,518	4,571	5,449	12,795	42,599	39,615
	Household durable goods industries	6,418	6,544	5,832	5,707	-1.9	+12.2	+2.2	6,624	6,661	5,996	6,293	37,440	31,652

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1984p	May 1984r	Apr. 1984	Mar. 1984	May-Junep	Apr.-Mayr	Mar.-Apr.	June 1984p	May 1984r	Apr. 1984	Mar. 1984	June 1983
	All manufacturing industries..	356,169	355,398	351,099	348,717	+0.2	+1.2	+0.7	356,135	358,317	356,717	354,789	308,479
	Durable goods industries.....	345,288	344,631	340,320	337,702	+0.2	+1.3	+0.8	345,249	347,289	345,592	343,641	298,323
32	Stone, clay, and glass products...	2,313	2,419	2,410	2,389	-4.4	+0.4	+0.9	2,360	2,489	2,446	2,403	2,011
33	Primary metals.....	21,378	22,210	22,899	22,213	-3.7	-3.0	+3.1	21,179	22,603	23,834	23,655	17,483
331	Blast furnaces, steel mills.....	9,995	10,442	11,116	11,053	-4.3	-6.1	+0.6	9,855	10,682	11,661	11,860	7,857
333-9	Nonferrous and other primary metals.....	8,223	8,706	8,765	8,275	-5.5	-0.7	+5.9	8,256	8,871	9,107	8,821	7,357
34	Fabricated metal products.....	21,211	21,208	20,854	20,896	0.0	+1.7	-0.2	21,409	21,328	21,049	21,169	21,233
35	Machinery, except electrical.....	62,955	62,400	61,309	61,205	+0.9	+1.8	+0.2	63,270	63,004	62,066	61,562	55,440
351	Engines and turbines.....	14,397	14,230	14,494	14,552	+1.2	-1.8	-0.4	14,234	14,254	14,445	14,557	14,373
353	Construction, mining, and material handling equipment....	6,223	6,244	6,045	5,987	-0.3	+3.3	+1.0	6,211	6,251	6,100	6,101	5,452
354	Metalworking machinery.....	2,855	2,793	2,660	2,646	+2.2	+5.0	+0.5	2,841	2,776	2,657	2,609	2,212
356	General industrial machinery....	4,812	4,704	4,753	4,725	+2.3	-1.0	+0.6	4,817	4,775	4,800	4,768	4,456
357	Office and computing machines...	22,722	22,505	21,940	21,739	+1.0	+2.6	+0.9	23,403	23,022	22,356	21,673	19,306
36	Electrical machinery.....	78,224	77,662	75,129	75,020	+0.7	+3.4	+0.1	78,504	78,375	76,237	75,742	63,510
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,259	6,349	6,458	6,472	-1.4	-1.7	-0.2	6,273	6,415	6,551	6,531	6,640
363	Household appliances.....	509	612	501	496	-16.8	+22.2	+1.0	538	655	521	511	473
365	Radio and TV.....	667	589	380	519	+13.2	+55.0	-26.8	686	525	256	453	495
366	Communication equipment.....	46,969	45,929	44,761	44,985	+2.3	+2.6	-0.5	46,739	46,447	45,449	45,627	40,259
367	Electronic components.....	22,378	22,716	21,571	21,084	-1.5	+5.3	+2.3	22,826	22,875	22,003	21,168	14,367
37	Transportation equipment.....	145,599	145,107	144,527	142,845	+0.3	+0.4	+1.2	144,582	145,445	146,448	145,962	125,914
372,6	Aircraft, missiles, and parts...	114,444	113,849	113,463	111,450	+0.5	+0.3	+1.8	114,334	114,145	114,704	113,821	97,181
3731,95	Shipbuilding and military tank vehicles.....	22,522	22,495	22,139	22,655	+0.1	+1.6	-2.3	22,013	22,735	22,835	23,186	22,731
38	Instruments and related products..	8,213	8,092	7,824	7,784	+1.5	+3.4	+0.5	8,271	8,088	7,898	7,880	7,639
24,25, 39	All other durable goods.....	5,395	5,533	5,368	5,350	-2.5	+3.1	+0.3	5,674	5,957	5,614	5,268	5,093
	Nondurable goods industries.....	10,881	10,767	10,779	11,015	+1.1	-0.1	-2.1	10,886	11,028	11,125	11,148	10,156
	Market categories:												
	Home goods and apparel.....	4,585	4,733	4,499	4,589	-3.1	+5.2	-2.0	4,932	5,143	4,629	4,442	4,243
	Consumer staples.....	654	682	663	672	-4.1	+2.9	-1.3	602	631	651	686	677
	Equipment and defense products, except automotive.....	213,922	212,164	208,951	208,444	+0.8	+1.5	+0.2	213,590	213,753	211,933	212,183	187,333
	Automotive equipment.....	7,818	8,010	8,121	7,913	-2.4	-1.4	+2.6	7,435	7,802	8,105	8,135	5,581
	Construction materials, supplies and intermediate products.....	12,572	12,570	12,471	12,489	0.0	+0.8	-0.1	12,803	12,791	12,621	12,619	12,899
	Other materials, supplies, and intermediate products.....	116,618	117,239	116,394	114,610	-0.5	+0.7	+1.6	116,773	118,197	118,778	116,724	97,746
	Supplementary series:[2]												
	Capital goods industries.....	256,832	254,663	251,670	250,319	+0.9	+1.2	+0.5	256,321	256,364	255,150	254,304	225,445
	Nondefense.....	134,615	133,575	130,512	129,425	+0.8	+2.3	+0.8	134,680	134,091	131,633	130,297	119,904
	Defense.....	122,217	121,088	121,158	120,894	+0.9	-0.1	+0.2	121,641	122,273	123,517	124,007	105,541
	Household durable goods industries.....	4,017	4,154	3,911	4,012	-3.3	+6.2	-2.5	4,326	4,520	4,036	3,901	3,770

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1984P	May 1984r	Apr. 1984	Mar. 1984	May-JuneP	Apr.-MayF	Mar.-Apr.	June 1984P	May 1984r	Apr. 1984	Mar. 1984	June 1983
	All manufacturing industries..	277,315	274,593	270,392	267,379	+1.0	+1.6	+1.1	277,348	276,642	272,650	268,783	257,793
	Manufacturing industries with unfilled orders.....	189,916	187,767	184,914	182,449	+1.1	+1.5	+1.4	191,097	189,911	186,654	183,286	177,741
	Durable goods industries.....	182,272	180,578	177,993	175,751	+0.9	+1.5	+1.3	182,825	182,319	179,644	176,910	170,803
	With unfilled orders.....	166,913	165,128	162,476	160,233	+1.1	+1.6	+1.4	167,492	166,695	163,855	160,936	156,590
32	Stone, clay, and glass products...	5,851	5,782	5,730	5,687	+1.2	+0.9	+0.8	5,922	5,957	5,904	5,851	5,801
322	Glass containers.....	609	623	628	649	-2.2	-0.8	-3.2	616	643	645	653	638
33	Primary metals.....	21,160	20,934	20,313	19,886	+1.1	+3.1	+2.1	20,958	20,945	20,409	19,891	20,152
331	Blast furnaces, steel mills.....	9,895	9,778	9,444	9,329	+1.2	+3.5	+1.2	9,747	9,681	9,293	9,087	9,681
333-9	Nonferrous and other primary metals.....	9,956	9,843	9,599	9,277	+1.1	+2.5	+3.5	9,907	9,912	9,791	9,490	9,295
34	Fabricated metal products.....	18,530	18,231	18,167	18,034	+1.6	+0.4	+0.7	18,873	18,604	18,526	18,366	17,701
341	Metal cans, barrels, and drums..	2,079	2,057	2,123	2,132	+1.1	-3.1	-0.4	2,303	2,322	2,378	2,320	2,166
35	Machinery, except electrical.....	38,550	38,155	37,873	37,444	+1.0	+0.7	+1.1	38,762	38,689	38,195	37,469	38,254
351	Engines and turbines.....	2,254	2,281	2,197	2,171	-1.2	+3.8	+1.2	2,243	2,290	2,224	2,162	2,155
352	Farm machinery and equipment....	1,865	1,864	1,907	1,861	+0.1	-2.3	+2.5	1,930	1,918	1,974	1,937	2,009
353	Construction, mining, and material handling equipment....	6,784	6,938	7,064	7,016	-2.2	-1.8	+0.7	6,845	7,076	7,142	7,058	8,039
354	Metalworking machinery.....	2,367	2,336	2,316	2,315	+1.3	+0.9	0.0	2,377	2,357	2,314	2,290	2,301
356	General industrial machinery....	3,501	3,529	3,495	3,456	-0.8	+1.0	+1.1	3,529	3,561	3,530	3,483	3,857
357	Office and computing machines...	11,166	10,870	10,641	10,349	+2.7	+2.2	+2.8	11,188	10,957	10,577	10,194	9,881
36	Electrical machinery.....	30,203	29,732	29,201	28,909	+1.6	+1.8	+1.0	30,593	30,247	29,640	29,029	27,096
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,372	4,301	4,269	4,232	+1.7	+0.7	+0.9	4,414	4,387	4,305	4,198	4,015
363	Household appliances.....	2,264	2,335	2,310	2,226	-3.0	+1.1	+3.8	2,388	2,501	2,446	2,282	2,019
365	Radio and TV.....	1,214	1,141	1,097	1,070	+6.4	+4.0	+2.5	1,247	1,169	1,100	1,039	1,009
366	Communication equipment.....	11,915	11,664	11,407	11,413	+2.2	+2.3	-0.1	11,909	11,753	11,538	11,515	10,463
367	Electronic components.....	6,048	5,980	5,871	5,795	+1.1	+1.9	+1.3	6,114	6,010	5,924	5,806	5,472
37	Transportation equipment.....	43,991	43,757	42,756	42,082	+0.5	+2.3	+1.6	43,468	43,616	42,807	42,398	38,933
371	Motor vehicles and parts.....	10,285	10,178	9,974	9,934	+1.1	+2.0	+0.4	9,935	10,022	9,917	10,023	8,105
372,6	Aircraft, missiles, and parts...	30,691	30,600	29,904	29,297	+0.3	+2.3	+2.1	30,585	30,673	30,026	29,495	27,904
3731,95	Shipbuilding and military tank vehicles.....	1,259	1,290	1,258	1,251	-2.4	+2.5	+0.6	1,283	1,288	1,262	1,253	1,578
38	Instruments and related products..	9,370	9,294	9,146	9,087	+0.8	+1.6	+0.6	9,555	9,465	9,306	9,129	9,045
381-4	Scientific and engineering instruments.....	6,660	6,636	6,560	6,522	+0.4	+1.2	+0.6	6,780	6,716	6,659	6,561	6,500
386	Photographic goods.....	2,136	2,107	2,048	2,022	+1.4	+2.9	+1.3	2,191	2,181	2,097	2,024	2,014
24,25, 39	All other durable goods.....	14,617	14,693	14,807	14,622	-0.5	-0.8	+1.3	14,694	14,796	14,857	14,777	13,821
	Nondurable goods industries.....	95,043	94,015	92,399	91,628	+1.1	+1.7	+0.8	94,523	94,323	93,006	91,873	86,990
	With unfilled orders.....	23,003	22,639	22,438	22,216	+1.6	+0.9	+1.0	23,605	23,216	22,799	22,350	21,151
20	Food and kindred products.....	22,039	22,203	21,511	21,629	-0.7	+3.2	-0.5	20,695	21,208	21,018	21,294	19,136
201	Meat products.....	2,283	2,257	2,152	2,196	+1.2	+4.9	-2.0	2,267	2,318	2,262	2,229	1,966
208	Beverages.....	3,538	3,518	3,486	3,354	+0.6	+0.9	+3.9	3,485	3,553	3,566	3,474	3,609
207	Fats and oils.....	1,634	1,789	1,602	1,767	-8.7	+11.7	-9.3	1,500	1,674	1,652	1,816	1,099
203-6,9	All other foods.....	12,807	12,848	12,470	12,517	-0.3	+3.0	-0.4	11,629	11,820	11,710	12,004	10,705
21	Tobacco products.....	3,553	3,645	3,683	3,771	-2.5	-1.0	-2.3	3,347	3,561	3,746	3,876	4,021
22	Textile mill products.....	7,355	7,203	7,097	7,066	+2.1	+1.5	+0.4	7,438	7,421	7,259	7,223	6,561
26	Paper and allied products.....	9,226	9,123	9,036	8,914	+1.1	+1.0	+1.4	9,436	9,362	9,233	8,992	8,575
261-3,6	Pulp, paper etc.....	3,380	3,327	3,322	3,293	+1.6	+0.2	+0.9	3,420	3,395	3,364	3,306	3,327
265	Paperboard containers.....	2,484	2,475	2,454	2,420	+0.4	+0.9	+1.4	2,564	2,530	2,501	2,420	2,238
264	All other paper products.....	3,362	3,321	3,260	3,201	+1.2	+1.9	+1.8	3,452	3,437	3,368	3,266	3,010
28	Chemicals and allied products.....	21,662	20,810	20,585	20,357	+4.1	+1.1	+1.1	21,498	21,038	20,911	20,602	19,197
281,6	Industrial chemicals, except pigments.....	6,854	6,449	6,375	6,353	+6.3	+1.2	+0.3	6,833	6,533	6,438	6,347	5,794
283,4	Drugs, soaps, and toiletries....	6,664	6,600	6,594	6,500	+1.0	+0.1	+1.4	6,797	6,784	6,699	6,500	6,292
29	Petroleum and coal products.....	8,949	9,050	8,947	8,319	-1.1	+1.2	+7.5	8,865	8,971	8,831	8,282	8,543
30	Rubber and plastics products.....	6,136	5,992	5,786	5,900	+2.4	+3.6	-1.9	6,220	6,180	6,056	6,063	5,805
23,27, 31	All other nondurable goods.....	16,123	15,989	15,754	15,672	+0.8	+1.5	+0.5	17,024	16,582	15,952	15,541	15,152
	Market categories:												
	Home goods and apparel.....	22,339	22,261	22,023	21,695	+0.4	+1.1	+1.5	23,354	23,158	22,367	21,694	21,104
	Consumer staples.....	33,823	33,773	33,257	33,173	+0.1	+1.6	+0.3	32,636	33,049	32,938	32,939	31,387
	Equipment and defense products, except automotive.....	77,647	77,061	76,020	74,849	+0.8	+1.4	+1.6	77,872	77,796	76,628	75,263	73,697
	Automotive equipment.....	12,656	12,479	12,163	12,167	+1.4	+2.6	0.0	12,255	12,338	12,147	12,362	10,129
	Construction materials, supplies and intermediate products.....	19,680	19,579	19,539	19,298	+0.5	+0.2	+1.2	19,842	19,784	19,838	19,779	18,986
	Other materials, supplies, and intermediate products.....	111,170	109,440	107,390	106,197	+1.6	+1.9	+1.1	111,389	110,517	108,732	106,746	102,490
	Supplementary series:[2]												
	Capital goods industries.....	88,593	87,746	86,342	85,207	+1.0	+1.6	+1.3	88,877	88,636	86,991	85,469	83,801
	Nondefense.....	68,820	68,254	67,417	66,670	+0.8	+1.2	+1.1	68,819	68,830	67,891	66,715	66,239
	Defense.....	19,773	19,492	18,925	18,537	+1.4	+3.0	+2.1	20,058	19,806	19,100	18,754	17,562
	Household durable goods industries.....	10,784	10,668	10,623	10,391	+1.1	+0.4	+2.2	11,073	11,009	10,801	10,426	10,124

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		June 1984P	May 1984r	Apr. 1984	Mar. 1984	May-JuneP	Apr.-Mayr	Mar.-Apr.	June 1984P	May 1984r	Apr. 1984	Mar. 1984	June 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	91,477	91,609	90,003	89,822	-0.1	+1.8	+0.2	91,086	91,642	90,458	90,233	84,867
	Durable goods industries.....	54,071	53,967	53,072	52,866	+0.2	+1.7	+0.4	53,857	53,825	52,996	52,765	50,373
32	Stone, clay, and glass products...	1,929	1,947	1,884	1,866	-0.9	+3.3	+1.0	1,925	1,934	1,886	1,875	1,925
33	Primary metals.....	6,708	6,587	6,428	6,381	+1.8	+2.5	+0.7	6,559	6,406	6,237	6,277	6,816
34	Fabricated metal products.....	7,332	7,203	7,195	7,059	+1.8	+0.1	+1.9	7,326	7,248	7,249	7,156	6,691
35	Machinery, except electrical.....	10,957	11,258	10,984	10,930	-2.7	+2.5	+0.5	10,976	11,324	11,069	10,880	10,904
36	Electrical Machinery.....	8,198	8,061	7,936	7,952	+1.7	+1.6	-0.2	8,268	8,124	8,069	7,875	7,373
37	Transportation equipment.....	10,775	10,852	10,699	10,851	-0.7	+1.4	-1.4	10,780	10,870	10,689	10,891	9,269
38	Instruments and related products..	2,817	2,720	2,603	2,528	+3.6	+4.5	+3.0	2,824	2,724	2,610	2,559	2,516
24,25, 39	All other durable goods.....	5,355	5,339	5,343	5,299	+0.3	-0.1	+0.8	5,199	5,195	5,187	5,252	4,879
	Nondurable goods industries.....	37,406	37,642	36,931	36,956	-0.6	+1.9	-0.1	37,229	37,817	37,462	37,468	34,494
20	Food and kindred products.....	8,183	8,485	8,292	8,288	-3.6	+2.3	0.0	7,846	8,334	8,374	8,490	7,269
21	Tobacco products.....	3,022	3,139	3,155	3,281	-3.7	-0.5	-3.8	2,910	3,110	3,260	3,382	3,609
22	Textile mill products.....	2,359	2,284	2,238	2,200	+3.3	+2.1	+1.7	2,379	2,360	2,290	2,282	2,002
26	Paper and allied products.....	4,891	4,762	4,685	4,613	+2.7	+1.6	+1.6	4,936	4,775	4,713	4,622	4,230
28	Chemicals and allied products.....	8,249	8,197	7,913	7,870	+0.6	+3.6	+0.5	8,175	8,264	8,030	7,973	7,233
29	Petroleum and coal products.....	2,151	2,115	2,166	2,183	+1.7	-2.4	-0.8	2,224	2,250	2,221	2,168	2,519
30	Rubber and plastics products.....	2,186	2,301	2,239	2,280	-5.0	+2.8	-1.8	2,222	2,307	2,282	2,267	2,065
23,27, 31	All other nondurable goods.....	6,365	6,359	6,243	6,241	+0.1	+1.9	0.0	6,537	6,417	6,292	6,284	5,567
	WORK IN PROCESS												
	All manufacturing industries..	99,122	97,680	96,327	94,685	+1.5	+1.4	+1.7	98,694	98,438	97,013	95,209	90,173
	Durable goods industries.....	83,950	82,658	81,465	79,926	+1.6	+1.5	+1.9	83,625	83,213	81,971	80,454	75,982
32	Stone, clay, and glass products...	764	741	743	768	+3.1	-0.3	-3.3	783	780	794	816	890
33	Primary metals.....	8,375	8,261	8,090	7,781	+1.4	+2.1	+4.0	8,305	8,323	8,126	7,738	7,207
34	Fabricated metal products.....	6,520	6,429	6,362	6,301	+1.4	+1.1	+1.0	6,685	6,604	6,512	6,444	6,205
35	Machinery, except electrical.....	16,353	15,746	15,798	15,592	+3.9	-0.3	+1.3	16,234	15,948	15,872	15,598	15,454
36	Electrical Machinery.....	16,105	15,813	15,515	15,358	+1.8	+1.9	+1.0	16,210	16,002	15,650	15,457	14,088
37	Transportation equipment.....	28,290	28,044	27,275	26,560	+0.9	+2.8	+2.7	27,765	27,867	27,307	26,791	24,807
38	Instruments and related products..	3,963	3,985	3,935	3,927	-0.6	+1.3	+0.2	4,033	4,031	4,005	3,961	4,085
24,25, 39	All other durable goods.....	3,580	3,639	3,747	3,639	-1.6	-2.9	+3.0	3,610	3,658	3,705	3,649	3,246
	Nondurable goods industries.....	15,172	15,022	14,862	14,759	+1.0	+1.1	+0.7	15,069	15,225	15,042	14,755	14,191
20	Food and kindred products.....	1,762	1,696	1,724	1,744	+3.9	-1.6	-1.1	1,726	1,703	1,725	1,772	1,702
21	Tobacco products.....	283	256	258	210	+10.5	-0.8	+22.9	173	193	194	194	119
22	Textile mill products.....	2,152	2,196	2,167	2,280	-2.0	+1.3	-5.0	2,136	2,214	2,200	2,296	2,060
26	Paper and allied products.....	1,085	1,112	1,087	1,103	-2.4	+2.3	-1.5	1,126	1,130	1,105	1,102	1,087
28	Chemicals and allied products.....	3,722	3,480	3,429	3,332	+7.0	+1.5	+2.9	3,718	3,557	3,483	3,362	3,266
29	Petroleum and coal products.....	1,602	1,808	1,717	1,556	-11.4	+5.3	+10.3	1,599	1,847	1,759	1,555	1,802
30	Rubber and plastics products.....	1,143	1,028	989	1,018	+11.2	+3.9	-2.8	1,116	1,025	1,019	1,019	959
23,27, 31	All other nondurable goods.....	3,423	3,446	3,491	3,516	-0.7	-1.3	-0.7	3,475	3,556	3,557	3,455	3,196
	FINISHED GOODS												
	All manufacturing industries..	86,716	85,304	84,062	82,872	+1.7	+1.5	+1.4	87,568	86,562	85,179	83,341	82,753
	Durable goods industries.....	44,251	43,953	43,456	42,959	+0.7	+1.1	+1.2	45,343	45,281	44,677	43,691	44,448
32	Stone, clay, and glass products...	3,158	3,094	3,103	3,053	+2.1	-0.3	+1.6	3,214	3,243	3,224	3,160	2,986
33	Primary metals.....	6,077	6,086	5,795	5,724	-0.1	+5.0	+1.2	6,094	6,216	6,046	5,876	6,129
34	Fabricated metal products.....	4,678	4,599	4,610	4,674	+1.7	-0.2	-1.4	4,862	4,752	4,765	4,766	4,805
35	Machinery, except electrical.....	11,240	11,151	11,091	10,922	+0.8	+0.5	+1.5	11,552	11,417	11,254	10,991	11,896
36	Electrical Machinery.....	5,900	5,858	5,750	5,599	+0.7	+1.9	+2.7	6,115	6,121	5,921	5,697	5,635
37	Transportation equipment.....	4,926	4,861	4,782	4,671	+1.3	+1.7	+2.4	4,923	4,879	4,811	4,716	4,857
38	Instruments and related products..	2,590	2,589	2,608	2,632	0.0	-0.7	-0.9	2,698	2,710	2,691	2,609	2,444
24,25, 39	All other durable goods.....	5,682	5,715	5,717	5,684	-0.6	0.0	+0.6	5,885	5,943	5,965	5,876	5,696
	Nondurable goods industries.....	42,465	41,351	40,606	39,913	+2.7	+1.8	+1.7	42,225	41,281	40,502	39,650	38,305
20	Food and kindred products.....	12,094	12,022	11,495	11,597	+0.6	+4.6	-0.9	11,123	11,171	10,919	11,032	10,165
21	Tobacco products.....	248	250	270	280	-0.8	-7.4	-3.6	264	258	292	300	293
22	Textile mill products.....	2,844	2,723	2,692	2,586	+4.4	+1.2	+4.1	2,923	2,847	2,769	2,645	2,499
26	Paper and allied products.....	3,250	3,249	3,264	3,198	0.0	-0.5	+2.1	3,374	3,457	3,415	3,268	3,258
28	Chemicals and allied products.....	9,691	9,133	9,243	9,155	+6.1	-1.2	+1.0	9,605	9,217	9,398	9,267	8,698
29	Petroleum and coal products.....	5,196	5,127	5,064	4,580	+1.3	+1.2	+10.6	5,042	4,874	4,851	4,559	4,222
30	Rubber and plastics products.....	2,807	2,663	2,558	2,602	+5.4	+4.1	-1.7	2,882	2,848	2,755	2,777	2,781
23,27, 31	All other nondurable goods.....	6,335	6,184	6,020	5,915	+2.4	+2.7	+1.8	7,012	6,609	6,103	5,802	6,389

PPreliminary. rRevised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		June 1984P	May 1984r	Apr. 1984	Mar. 1984	June 1984P	May 1984r	Apr. 1984	Mar. 1984
	All manufacturing industries	1.46	1.45	1.44	1.42	3.49	3.55	3.59	3.55
	Durable goods industries	1.84	1.84	1.86	1.81	4.25	4.33	4.38	4.30
32	Stone, clay, and glass products	1.30	1.25	1.28	1.28	0.56	0.57	0.59	0.59
33	Primary metals	1.85	1.85	1.82	1.72	1.86	1.96	2.05	1.92
34	Fabricated metal products	1.67	1.63	1.66	1.64	2.08	2.06	2.08	2.07
35	Machinery, except electrical	2.15	2.16	2.26	2.20	3.69	3.72	3.87	3.80
36	Electrical machinery	1.95	1.98	2.00	1.91	5.05	5.18	5.14	4.96
37	Transportation equipment	1.87	1.89	1.87	1.81	11.38	12.02	11.90	12.01
38	Instruments and related products	1.97	1.93	1.93	1.98	1.72	1.68	1.65	1.70
	Nondurable goods industries	1.04	1.03	1.01	1.00	0.52	0.52	0.54	0.55
20	Food and kindred products	0.90	0.89	0.86	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.27	2.58	2.79	2.34	(X)	(X)	(X)	(X)
22	Textile mill products	1.58	1.54	1.50	1.50	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.13	1.14	1.16	1.15	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.24	1.19	1.17	1.18	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.54	0.55	0.52	0.48	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.43	1.36	1.34	1.33	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1983	All Junes 1979-1983	June 1983-May 1984	Year ago June 1983	All Junes 1979-1983	June 1983-May 1984	Year ago June 1983	All Junes 1979-1983	June 1983-May 1984	Year ago June 1983	All Junes 1979-1983	June 1983-May 1984
	All manufacturing industries.	0.9	0.4	0.3	1.2	0.3	0.4	0.1	0.1	0.1	0.2	0.1	0.1
	Durable goods industries	1.1	0.4	0.4	1.6	0.6	0.6	0.1	0.1	0.2	0.5	0.2	0.2
32	Stone, clay, and glass products	0.9	1.2	0.8	2.7	1.9	1.1	4.0	2.6	1.2	0.1	0.4	0.5
33	Primary metals	1.6	0.7	0.9	2.7	1.4	1.4	0.5	0.4	0.5	0.0	0.3	0.2
34	Fabricated metal products	0.3	0.3	0.8	1.8	1.0	1.1	0.7	0.3	0.3	0.2	0.2	0.3
35	Machinery, except electrical	4.1	1.5	0.9	5.8	2.3	1.2	0.3	0.3	0.2	0.1	0.3	0.3
36	Electrical machinery	1.5	0.6	0.9	2.1	0.7	1.2	0.1	0.1	0.2	0.3	0.2	0.2
37	Transportation equipment	1.5	0.8	0.7	2.4	1.8	1.6	0.1	0.1	0.2	0.4	0.4	0.2
38	Instruments and related products.	0.7	0.7	1.1	3.3	1.2	1.1	1.4	0.6	0.4	0.3	0.4	0.5
	Nondurable goods industries	0.8	0.6	0.3	0.7	0.5	0.3	0.6	0.6	0.4	0.2	0.1	0.3
20	Food and kindred products	0.8	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7	0.6
21	Tobacco products	0.3	2.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7	0.2
22	Textile mill products	0.1	0.6	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.2	0.5
26	Paper and allied products	0.9	0.7	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.3
28	Chemicals and allied products	2.5	1.7	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.6
29	Petroleum and coal products	1.4	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7	0.5
30	Rubber and plastics products	0.9	1.8	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.6	0.5
	Capital Goods Industries:												
	Nondefense	2.8	1.1	0.7	5.0	1.2	1.1	0.4	0.2	0.2	0.0	0.2	0.2
	Defense	0.0	1.0	0.8	8.0	3.0	2.9	0.4	0.2	0.2	1.3	0.6	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1(84)-7

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

JULY 1984
M3-1(84)-7
For Wire Transmission 10:00 A.M. E.D.T. Thursday, August 30, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in July increased $1.8 billion or 1.0 percent to $192.5 billion. Since reaching the recession low in November 1982 of $153.1 billion, new orders increased through March of this year to $196.5 billion, but have since fluctuated, averaging $191.6 billion.

Shipments of manufactured goods showed a slight decline in July, down $0.7 billion or 0.4 percent from June to $189.7 billion. A decline of 1.3 percent in the durable goods sector was partially offset by a 0.6 percent increase in the nondurable sector.

Manufacturers' unfilled orders continued to increase, although at a slower pace, as new orders again exceeded shipments. Unfilled orders for July were up $2.7 billion or 0.8 percent from June to $358.4 billion.

Manufacturers' inventories showed additional expansion in July increasing $2.5 billion or 0.9 percent to $280.0 billion, moving the inventory to shipments ratio up to 1.48 from 1.46 in June.

NEW ORDERS. New orders for durable goods in July increased $1.3 billion or 1.3 percent to $100.5 billion. This revised downward the earlier reported 2.2 percent increase. Transportation equipment was up $1.2 billion or 4.9 percent to $25.2 billion, the strongest showing since the 6.5 percent gain in March. The July increase was caused mostly by the motor vehicle and defense aircraft and parts industries.

Primary metals were up $0.8 billion or 7.7 percent to $10.9 billion, following large declines in June of 4.7 percent and May of 10.3 percent. Since peaking last November at $12.1 billion, both the steel and the nonferrous components have been fluctuating.

The largest decline in new orders was in nonelectrical machinery down $1.0 billion or 5.2 percent to $17.6 billion. This is the third decline in the last four months.

New orders for nondurable goods increased in July $0.5 billion or 0.6 percent to $92.0 billion.

SHIPMENTS. The decline in July shipments of durable goods was due mostly to a drop in machinery; nonelectrical was down $0.7 billion or 3.8 percent to $17.1 billion and electrical $0.3 billion or 2.1 percent to $15.1 billion. Transportation equipment was flat at $23.6 billion, as an increase in motor vehicles and parts was offset by a decline in aircraft and parts.

The increase in nondurable goods shipments was widespread. The largest gains were in food and kindred products, up $0.5 billion or 1.9 percent to $24.9 billion, and chemicals, up $0.3 billion or 1.6 percent to $18.2 billion. The largest declines were in tobacco, down $0.3 billion or 17.3 percent to $1.3 billion, and petroleum products, down $0.3 billion or 1.6 percent to $16.3 billion.

UNFILLED ORDERS. Between the recession low in November 1982 of $293.1 billion and March 1984 of $348.7 billion, unfilled orders increased at a rate of 1.2 percent per month, but have since slowed to 0.7 percent. This month's increase was concentrated in the transportation equipment and machinery industries. Transportation equipment was up $1.7 billion or 1.1 percent to $147.2 billion; machinery was up $1.5 billion or 1.0 percent to $142.8 billion. Primary metals declined $0.4 billion or 1.9 percent to $20.5 billion. This is the third consecutive decline in the metals order backlog, dropping the level $2.4 billion below the April high of $22.9 billion.

INVENTORIES. Inventories, valued at $280.0 billion at the end of July, have been growing briskly since January when they were valued at $260.9 billion, a rate of 1.2 percent per month. These increases are mostly in work in process and finished goods.

The increase in July inventories was mostly in the durable goods industries. Transportation equipment climbed $0.9 billion or 2.0 percent to $45.1 billion, electrical machinery was up $0.6 billion or 2.1 percent to $30.8 billion and nonelectrical machinery up $0.5 billion or 1.4 percent to $39.0 billion. The other durable goods industries showed much smaller increases.

Most of the nondurable goods industries showed small inventory increases with the largest dollar gains coming in paper, printing and publishing, and chemicals.

SCHEDULED RELEASE DATES. The advance report on durable goods for August is scheduled for release on September 25, 1984 at 8:30 A.M. and the full report on October 3, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1984P	June 1984r	May 1984	Apr. 1984	June-JulyP	May-Jnr	Apr.-May	July 1984P	June 1984r	May 1984	Apr. 1984	1984P	1983
	All manufacturing industries	189,716	190,401	189,376	187,332	-0.4	+0.5	+1.1	174,542	201,941	191,416	188,667	1,310,557	1,147,742
	Manufacturing industries with unfilled orders	100,762	101,832	100,178	97,825	-1.1	+1.7	+2.4	91,493	108,123	100,927	98,689	689,047	587,622
	Durable goods industries	97,798	99,042	97,944	95,697	-1.3	+1.1	+2.3	87,928	106,969	99,968	97,967	679,325	568,301
	With unfilled orders	79,732	81,124	79,623	77,689	-1.7	+1.9	+2.5	72,019	87,008	80,486	78,562	548,653	463,891
32	Stone, clay, and glass products	4,510	4,495	4,612	4,486	+0.3	-2.5	+2.8	4,464	4,923	4,719	4,578	31,281	27,340
322	Glass containers	395	361	404	389	+9.4	-10.6	+3.9	390	407	415	396	2,732	2,891
33	Primary metals	11,336	11,488	11,342	11,191	-1.3	+1.3	+1.3	10,297	12,215	11,756	11,772	80,427	65,518
331	Blast furnaces, steel mills	4,859	4,906	5,032	4,719	-1.0	-2.5	+6.6	4,388	5,264	5,097	5,012	34,061	26,760
333-9	Nonferrous and other primary metals	5,189	5,349	5,105	5,280	-3.0	+4.8	-3.3	4,800	5,595	5,335	5,481	37,506	32,251
34	Fabricated metal products	11,233	11,145	11,219	10,930	+0.8	-0.7	+2.6	10,315	12,017	11,426	11,181	77,540	67,405
341	Metal cans, barrels, and drums	976	964	921	890	+1.2	+4.7	+3.5	1,050	1,072	957	880	6,468	6,586
35	Machinery, except electrical	17,139	17,821	17,704	16,768	-3.8	+0.7	+5.6	15,460	19,529	17,644	16,685	118,970	99,445
351	Engines and turbines	1,304	1,273	1,228	1,286	+2.4	+3.7	-4.5	1,144	1,399	1,248	1,330	8,836	6,927
352	Farm machinery and equipment	792	848	924	912	-6.6	-8.2	+1.3	662	936	1,015	1,016	6,527	6,309
353	Construction, mining, and material handling equipment	2,838	2,985	2,843	2,549	-4.9	+5.0	+11.5	2,725	3,194	2,880	2,585	18,940	15,893
354	Metalworking machinery	844	777	847	832	+8.6	-8.3	+1.8	736	855	824	814	5,586	4,399
356	General industrial machinery	1,437	1,334	1,394	1,359	+7.7	-4.3	+2.6	1,312	1,443	1,414	1,344	9,583	8,206
357	Office and computing machines	4,061	4,790	4,493	4,112	-15.2	+6.6	+9.3	3,456	5,273	4,161	3,689	28,356	24,598
36	Electrical machinery	15,115	15,435	15,006	14,606	-2.1	+2.9	+2.7	13,576	16,510	14,970	14,637	103,048	86,747
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,074	2,048	2,034	2,002	+1.3	+0.7	+1.6	1,800	2,207	2,041	2,019	14,111	12,277
363	Household appliances	1,514	1,598	1,486	1,334	-5.3	+7.5	+11.4	1,456	1,733	1,470	1,337	10,136	8,473
365	Radio and TV	874	779	936	815	+12.2	-16.8	+14.8	706	910	842	721	5,602	4,643
366	Communication equipment	4,325	4,689	4,439	4,286	-7.8	+5.6	+3.6	3,946	5,041	4,509	4,411	30,676	27,467
367	Electronic components	3,828	3,919	3,687	3,676	-2.3	+6.3	+0.3	3,491	4,107	3,757	3,801	25,697	19,528
37	Transportation equipment	23,553	23,627	23,196	22,845	-0.3	+1.9	+1.5	20,072	25,824	24,465	24,167	166,525	133,934
371	Motor vehicles and parts	15,706	15,324	15,558	15,175	+2.5	-1.5	+2.5	12,842	17,058	16,717	16,363	112,853	83,070
372,6	Aircraft, missiles, and parts	6,222	6,584	6,006	5,992	-5.5	+9.6	+0.2	5,692	6,972	6,047	6,011	41,881	40,531
3731,95	Shipbuilding and military tank vehicles	843	895	779	918	-5.8	+14.9	-15.1	840	936	819	878	5,931	5,825
38	Instruments and related products	4,882	4,774	4,809	4,734	+2.3	-0.7	+1.6	4,385	5,122	4,710	4,634	32,076	27,803
381-4	Scientific and engineering instruments	2,986	2,779	2,824	2,717	+7.4	-1.6	+3.9	2,628	2,957	2,747	2,709	19,082	16,429
386	Photographic goods	1,668	1,786	1,767	1,797	-6.6	+1.1	-1.7	1,553	1,947	1,746	1,707	11,577	10,018
24,25, 39	All other durable goods	10,030	10,257	10,056	10,137	-2.2	+2.0	-0.8	9,359	10,829	10,278	10,313	69,458	60,109
	Nondurable goods industries	91,918	91,359	91,432	91,635	+0.6	-0.1	-0.2	86,614	94,972	91,448	90,700	631,232	579,441
	With unfilled orders	21,030	20,708	20,555	20,136	+1.6	+0.7	+2.1	19,474	21,115	20,441	20,127	140,394	123,731
20	Food and kindred products	24,874	24,409	24,944	25,143	+1.9	-2.1	-0.8	23,416	25,408	24,545	24,339	170,163	163,442
201	Meat products	5,874	5,869	5,817	6,020	+0.1	+0.9	-3.4	5,686	5,980	5,806	5,755	40,383	38,459
208	Beverages	3,815	3,725	3,657	3,607	+2.4	+1.9	+1.4	4,002	4,220	3,821	3,715	25,398	24,506
207	Fats and oils	1,342	1,414	1,500	1,384	-5.1	-5.7	+8.4	1,246	1,397	1,405	1,342	9,609	9,124
203-6,9	All other foods	10,834	10,197	10,773	10,893	+6.2	-5.3	-1.1	9,458	10,472	10,310	10,294	72,254	69,261
21	Tobacco products	1,295	1,566	1,414	1,321	-17.3	+10.7	+7.0	1,291	1,641	1,420	1,286	9,414	8,151
22	Textile mill products	4,571	4,595	4,687	4,737	-0.5	-2.0	-1.1	3,894	4,995	4,762	4,694	32,504	28,961
26	Paper and allied products	8,277	8,189	8,026	7,784	+1.1	+2.0	+3.1	7,776	8,546	8,076	7,917	55,947	48,564
261-3,6	Pulp, paper etc.	3,592	3,508	3,528	3,411	+2.4	-0.6	+3.4	3,350	3,688	3,612	3,491	24,370	20,637
265	Paperboard containers	1,859	1,807	1,836	1,777	+2.9	-1.6	+3.3	1,744	1,875	1,838	1,803	12,518	10,799
264	All other paper products	2,826	2,874	2,662	2,596	-1.7	+8.0	+2.5	2,682	2,983	2,626	2,623	19,059	17,128
28	Chemicals and allied products	18,187	17,901	17,559	17,643	+1.6	+1.9	-0.5	16,500	19,045	18,493	18,308	125,020	107,873
281,6	Industrial chemicals, except pigments	5,717	5,710	5,589	5,717	+0.1	+2.2	-2.2	5,322	6,036	5,690	5,945	40,096	33,420
283,4	Drugs, soaps, and toiletries	4,728	4,743	4,492	4,301	-0.3	+5.6	+4.4	4,260	5,027	4,200	4,039	30,601	28,262
29	Petroleum and coal products	16,284	16,541	16,507	17,168	-1.6	+0.2	-3.9	16,012	17,044	16,534	16,579	114,418	109,015
30	Rubber and plastics products	4,492	4,352	4,400	4,330	+3.2	-1.1	+1.6	4,275	4,682	4,411	4,475	30,662	28,532
23,27, 31	All other nondurable goods	13,938	13,806	13,895	13,509	+1.0	-0.6	+2.9	13,450	13,611	13,207	13,102	93,104	84,903
	Market categories:													
	Home goods and apparel	13,049	13,202	13,204	12,680	-1.2	0.0	+4.1	12,033	13,608	12,583	12,226	88,690	79,190
	Consumer staples	34,158	33,798	33,786	33,741	+1.1	0.0	+0.1	32,210	35,147	33,162	32,812	230,514	217,133
	Equipment and defense products, except automotive	27,590	28,829	27,830	26,809	-4.3	+3.6	+3.8	24,985	31,154	27,791	26,656	188,882	166,124
	Automotive equipment	17,666	17,404	17,673	17,192	+1.5	-1.5	+2.8	14,748	19,298	18,935	18,642	127,476	95,867
	Construction materials, supplies and intermediate products	14,164	14,444	14,331	14,283	-1.9	+0.8	+0.3	14,029	15,802	14,829	14,620	99,141	87,539
	Other materials, supplies, and intermediate products	83,089	82,724	82,552	82,627	+0.4	+0.2	-0.1	76,537	86,932	84,116	83,711	575,854	501,889
	Supplementary series:[2]													
	Capital goods industries	31,599	32,869	31,643	30,784	-3.9	+3.9	+2.8	28,597	35,436	31,511	30,453	215,772	188,665
	Nondefense	25,627	26,892	25,894	24,799	-4.7	+3.9	+4.4	22,992	29,222	25,695	24,515	175,337	151,945
	Defense	5,972	5,977	5,749	5,985	-0.1	+4.0	-3.9	5,605	6,214	5,816	5,938	40,435	36,720
	Household durable goods industries	6,433	6,506	6,299	5,934	-1.1	+3.3	+6.2	5,614	6,767	6,179	5,858	41,882	35,222

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1984p	June 1984r	May 1984	Apr. 1984	June-Julyp	May-Jun er	Apr.-May	July 1984p	June 1984r	May 1984	Apr. 1984	1984p	1983
	All manufacturing industries	192,450	190,620	193,680	189,715	+1.0	-1.6	+2.1	175,773	199,212	193,010	190,601	1,339,426	1,163,855
	Manufacturing industries with unfilled orders	103,496	102,051	104,482	100,208	+1.4	-2.3	+4.3	92,724	105,394	102,521	100,623	717,916	603,735
	Durable goods industries	100,489	99,171	102,256	98,317	+1.3	-3.0	+4.0	89,065	104,411	101,659	99,921	707,763	582,842
	With unfilled orders	82,423	81,253	83,935	80,309	+1.4	-3.2	+4.5	73,156	84,450	82,177	80,516	577,091	478,432
32	Stone, clay, and glass products	4,466	4,417	4,622	4,508	+1.1	-4.4	+2.5	4,448	4,824	4,763	4,621	31,713	27,742
33	Primary metals	10,939	10,155	10,653	11,877	+7.7	-4.7	-10.3	9,839	10,298	10,524	11,950	80,345	68,452
331	Blast furnaces, steel mills	4,503	3,877	4,357	4,782	+16.1	-11.0	-8.9	4,037	3,863	4,118	4,813	33,301	28,272
333-9	Nonferrous and other primary metals	5,069	4,913	5,046	5,770	+3.2	-2.6	-12.5	4,557	5,027	5,099	5,766	37,494	33,482
34	Fabricated metal products	10,864	11,084	11,573	10,889	-2.0	-4.2	+6.3	10,082	12,033	11,706	11,062	78,528	67,392
35	Machinery, except electrical	17,554	18,512	18,797	16,873	-5.2	-1.5	+11.4	15,424	19,932	18,581	17,191	124,203	98,798
351	Engines and turbines	2,034	1,456	964	1,227	+39.7	+51.0	-21.4	1,898	1,393	1,056	1,219	9,117	6,192
353	Construction, mining, and material handling equipment	2,877	2,975	3,042	2,608	-3.3	-2.2	+16.6	2,782	3,166	3,031	2,584	19,551	15,730
354	Metalworking machinery	932	825	981	846	+13.0	-15.9	+16.0	857	905	943	862	6,160	4,278
356	General industrial machinery	1,398	1,466	1,346	1,387	-4.6	+8.9	-3.0	1,302	1,509	1,388	1,377	9,767	7,938
357	Office and computing machines	3,566	5,108	5,059	4,313	-30.2	+1.0	+17.3	2,544	5,759	4,827	4,372	30,805	25,352
36	Electrical machinery	16,156	15,988	17,535	14,716	+1.1	-8.8	+19.2	14,265	16,630	17,105	15,133	113,064	92,066
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,946	1,957	1,924	1,988	-0.6	+1.7	-3.2	1,681	2,063	1,905	2,040	14,023	12,176
363	Household appliances	1,486	1,525	1,597	1,339	-2.6	-4.5	+19.3	1,441	1,647	1,603	1,347	10,227	8,651
365	Radio and TV	823	851	1,144	676	-3.3	-25.6	+69.2	684	1,065	1,110	525	5,864	4,922
366	Communication equipment	5,000	5,700	5,606	4,063	-12.3	+1.7	+38.0	4,243	5,304	5,505	4,233	35,489	29,262
367	Electronic components	4,350	3,574	4,831	4,163	+21.7	-26.0	+16.0	3,977	4,050	4,629	4,635	30,532	22,600
37	Transportation equipment	25,223	24,055	23,776	24,523	+4.9	+1.2	-3.0	20,760	24,894	23,459	24,652	176,390	137,863
372,6	Aircraft, missiles, and parts	8,181	7,044	6,393	8,001	+16.1	+10.2	-20.1	6,815	7,028	5,487	6,894	52,874	43,450
3731,95	Shipbuilding and military tank vehicles	634	923	1,135	402	-31.3	-18.7	+182.3	258	214	718	526	4,704	6,092
38	Instruments and related products	5,018	4,767	5,079	4,775	+5.3	-6.1	+6.4	4,512	5,179	4,900	4,653	32,695	28,582
24,25, 39	All other durable goods	10,269	10,193	10,221	10,156	+0.7	-0.3	+0.6	9,735	10,621	10,621	10,659	70,825	61,947
	Nondurable goods industries	91,961	91,449	91,424	91,398	+0.6	0.0	0.0	86,708	94,801	91,351	90,680	631,663	581,013
	With unfilled orders	21,073	20,798	20,547	19,899	+1.3	+1.2	+3.3	19,568	20,944	20,344	20,107	140,825	125,303
	Market categories:													
	Home goods and apparel	12,988	13,057	13,440	12,590	-0.5	-2.8	+6.8	12,142	13,401	13,095	12,417	90,021	80,766
	Consumer staples	34,120	33,785	33,806	33,731	+1.0	-0.1	+0.2	32,209	35,132	33,143	32,777	230,430	217,062
	Equipment and defense products, except automotive	29,434	30,612	31,044	27,319	-3.8	-1.4	+13.6	25,141	31,021	29,607	26,410	205,770	169,398
	Automotive equipment	17,655	17,282	17,561	17,400	+2.2	-1.6	+0.9	14,911	18,997	18,631	18,612	127,361	96,546
	Construction materials, supplies and intermediate products	13,980	14,435	14,429	14,267	-3.2	0.0	+1.1	13,882	15,802	15,000	14,621	99,935	87,853
	Other materials, supplies, and intermediate products	84,273	81,449	83,400	84,408	+3.5	-2.3	-1.2	77,488	84,859	83,534	85,764	585,909	512,230
	Supplementary series:[2]													
	Capital goods industries	34,192	35,019	34,637	32,133	-2.4	+1.1	+7.8	29,269	35,377	32,721	31,303	235,836	193,426
	Nondefense	27,086	28,029	28,958	25,885	-3.4	-3.2	+11.9	24,186	29,912	28,150	25,854	188,207	148,887
	Defense	7,106	6,990	5,679	6,248	+1.7	+23.1	-9.1	5,083	5,465	4,571	5,449	47,629	44,539
	Household durable goods industries	6,351	6,394	6,544	5,832	-0.7	-2.3	+12.2	5,681	6,602	6,661	5,996	43,099	36,717

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1984p	June 1984r	May 1984	Apr. 1984	June-Julyp	May-Jun er	Apr.-May	July 1984p	June 1984r	May 1984	Apr. 1984	July 1983
	All manufacturing industries..	358,353	355,625	355,398	351,099	+0.8	+0.1	+1.2	356,832	355,590	358,317	356,717	310,259
	Durable goods industries.....	347,450	344,765	344,631	340,320	+0.8	0.0	+1.3	345,876	344,731	347,289	345,592	299,806
32	Stone, clay, and glass products...	2,299	2,342	2,419	2,410	-1.8	-3.2	+0.4	2,374	2,390	2,489	2,446	2,057
33	Primary metals.....	20,481	20,877	22,210	22,899	-1.9	-6.0	-3.0	20,228	20,686	22,603	23,834	17,752
331	Blast furnaces, steel mills.....	9,057	9,413	10,442	11,116	-3.8	-9.9	-6.1	8,930	9,281	10,682	11,661	8,109
333-9	Nonferrous and other primary metals.....	8,150	8,269	8,706	8,765	-1.4	-5.0	-0.7	8,060	8,303	8,871	9,107	7,294
34	Fabricated metal products.....	20,777	21,146	21,208	20,854	-1.7	-0.3	+1.7	21,112	21,344	21,328	21,049	21,227
35	Machinery, except electrical.....	63,505	63,095	62,400	61,309	+0.6	+1.1	+1.8	63,376	63,408	63,004	62,066	54,882
351	Engines and turbines.....	15,142	14,413	14,230	14,494	+5.1	+1.3	-1.8	15,003	14,249	14,254	14,445	14,324
353	Construction, mining, and material handling equipment....	6,273	6,235	6,244	6,045	+0.6	-0.1	+3.3	6,280	6,222	6,251	6,100	5,468
354	Metalworking machinery.....	2,928	2,841	2,793	2,660	+3.1	+1.7	+5.0	2,948	2,826	2,776	2,657	2,275
356	General industrial machinery....	4,798	4,837	4,704	4,753	-0.8	+2.8	-1.0	4,832	4,841	4,775	4,800	4,424
357	Office and computing machines...	22,328	22,823	22,505	21,940	-2.2	+1.4	+2.6	22,596	23,508	23,022	22,356	18,897
36	Electrical machinery.....	79,255	78,214	77,662	75,129	+1.3	+0.7	+3.4	79,186	78,495	78,375	76,237	64,928
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,129	6,258	6,349	6,458	-2.1	-1.4	-1.7	6,154	6,271	6,415	6,551	6,661
363	Household appliances.....	511	538	612	501	-5.0	-12.1	+22.2	554	569	655	521	484
365	Radio and TV.....	609	661	589	380	-7.9	+12.2	+55.0	658	680	525	256	685
366	Communication equipment.....	47,616	46,940	45,929	44,761	+1.4	+2.2	+2.6	47,007	46,710	46,447	45,449	40,302
367	Electronic components.....	22,892	22,370	22,716	21,571	+2.3	-1.5	+5.3	23,304	22,818	22,875	22,003	15,490
37	Transportation equipment.....	147,203	145,534	145,107	144,527	+1.1	+0.3	+0.4	145,205	144,514	145,445	146,448	125,754
372,6	Aircraft, missiles, and parts...	116,269	114,309	113,849	113,463	+1.7	+0.4	+0.3	115,324	114,200	114,145	114,704	96,268
3731,95	Shipbuilding and military tank vehicles.....	22,313	22,522	22,495	22,139	-0.9	+0.1	+1.6	21,433	22,013	22,735	22,835	22,992
38	Instruments and related products..	8,222	8,087	8,092	7,824	+1.7	-0.1	+3.4	8,271	8,145	8,088	7,898	7,755
24,25, 39	All other durable goods.....	5,708	5,470	5,533	5,368	+4.4	-1.1	+3.1	6,124	5,749	5,957	5,614	5,451
	Nondurable goods industries.....	10,903	10,860	10,767	10,779	+0.4	+0.9	-0.1	10,956	10,859	11,028	11,125	10,453
	Market categories:												
	Home goods and apparel.....	4,529	4,590	4,733	4,499	-1.3	-3.0	+5.2	5,045	4,936	5,143	4,629	4,583
	Consumer staples.....	632	670	682	663	-5.7	-1.8	+2.9	615	617	631	651	694
	Equipment and defense products, except automotive.....	215,789	213,950	212,164	208,951	+0.9	+0.8	+1.5	213,784	213,619	213,753	211,933	186,292
	Automotive equipment.....	7,876	7,888	8,010	8,121	-0.2	-1.5	-1.4	7,664	7,501	7,802	8,105	6,030
	Construction materials, supplies and intermediate products.....	12,377	12,561	12,570	12,471	-1.5	-0.1	+0.8	12,644	12,791	12,791	12,621	12,761
	Other materials, supplies, and intermediate products.....	117,150	115,966	117,239	116,394	+1.0	-1.1	+0.7	117,080	116,126	118,197	118,778	99,899
	Supplementary series:[2]												
	Capital goods industries.....	259,405	256,817	254,663	251,670	+1.0	+0.8	+1.2	256,986	256,305	256,364	255,150	224,455
	Nondefense.....	136,171	134,717	133,575	130,512	+1.1	+0.9	+2.3	135,982	134,782	134,091	131,633	119,220
	Defense.....	123,234	122,100	121,088	121,158	+0.9	+0.8	-0.1	121,004	121,523	122,273	123,517	105,235
	Household durable goods industries.....	3,961	4,043	4,154	3,911	-2.0	-2.7	+6.2	4,420	4,355	4,520	4,036	4,090

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1984p	June 1984r	May 1984	Apr. 1984	June-Julyp	May-Jun er	Apr.-May	July 1984p	June 1984r	May 1984	Apr. 1984	July 1983
	All manufacturing industries..	279,989	277,481	274,593	270,392	+0.9	+1.1	+1.6	279,476	277,528	276,642	272,650	257,219
	Manufacturing industries with unfilled orders.....	192,577	190,065	187,767	184,914	+1.3	+1.2	+1.5	193,345	191,256	189,911	186,654	176,713
	Durable goods industries.....	184,531	182,452	180,578	177,993	+1.1	+1.0	+1.5	184,514	183,014	182,319	179,644	169,776
	With unfilled orders.....	169,303	167,098	165,128	162,476	+1.3	+1.2	+1.6	169,554	167,685	166,695	163,855	155,504
2	Stone, clay, and glass products...	5,904	5,860	5,782	5,730	+0.8	+1.3	+0.9	5,919	5,932	5,957	5,904	5,761
22	Glass containers.....	624	633	623	628	-1.4	+1.6	-0.8	637	641	643	645	630
3	Primary metals.....	21,216	21,150	20,934	20,313	+0.3	+1.0	+3.1	21,161	20,947	20,945	20,409	20,047
31	Blast furnaces, steel mills.....	9,933	9,902	9,778	9,444	+0.3	+1.3	+3.5	9,972	9,754	9,681	9,293	9,751
33-9	Nonferrous and other primary metals.....	9,978	9,942	9,843	9,599	+0.4	+1.0	+2.5	9,918	9,893	9,912	9,791	9,153
4	Fabricated metal products.....	18,390	18,547	18,231	18,167	-0.8	+1.7	+0.4	18,486	18,890	18,604	18,526	17,628
41	Metal cans, barrels, and drums..	1,932	2,061	2,057	2,123	-6.3	+0.2	-3.1	2,050	2,283	2,322	2,378	2,205
5	Machinery, except electrical.....	39,042	38,519	38,155	37,873	+1.4	+1.0	+0.7	39,154	38,730	38,689	38,195	37,571
51	Engines and turbines.....	2,314	2,257	2,281	2,197	+2.5	-1.1	+3.8	2,290	2,246	2,290	2,224	2,146
52	Farm machinery and equipment....	1,838	1,860	1,864	1,907	-1.2	-0.2	-2.3	1,827	1,925	1,918	1,974	1,913
53	Construction, mining, and material handling equipment....	6,808	6,813	6,938	7,064	-0.1	-1.8	-1.8	6,829	6,875	7,076	7,142	7,692
54	Metalworking machinery.....	2,342	2,370	2,336	2,316	-1.2	+1.5	+0.9	2,365	2,380	2,357	2,314	2,323
56	General industrial machinery....	3,608	3,542	3,529	3,495	+1.9	+0.4	+1.0	3,612	3,570	3,561	3,530	3,749
57	Office and computing machines...	11,459	11,072	10,870	10,641	+3.5	+1.9	+2.2	11,608	11,094	10,957	10,577	9,995
6	Electrical machinery.....	30,798	30,174	29,732	29,201	+2.1	+1.5	+1.8	30,929	30,567	30,247	29,640	26,924
61,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,410	4,368	4,301	4,269	+1.0	+1.6	+0.7	4,419	4,411	4,387	4,305	3,975
63	Household appliances.....	2,317	2,294	2,335	2,310	+1.0	-1.8	+1.1	2,338	2,420	2,501	2,446	1,821
65	Radio and TV.....	1,234	1,204	1,141	1,097	+2.5	+5.5	+4.0	1,292	1,236	1,169	1,100	989
66	Communication equipment.....	12,211	11,882	11,664	11,407	+2.8	+1.9	+2.3	12,202	11,877	11,753	11,538	10,660
67	Electronic components.....	6,155	6,045	5,980	5,871	+1.8	+1.1	+1.9	6,198	6,111	6,010	5,924	5,487
7	Transportation equipment.....	45,095	44,219	43,757	42,756	+2.0	+1.1	+2.3	44,643	43,703	43,616	42,807	38,946
71	Motor vehicles and parts.....	10,579	10,281	10,178	9,974	+2.9	+1.0	+2.0	10,056	9,932	10,022	9,917	8,094
72,6	Aircraft, missiles, and parts...	31,481	30,921	30,600	29,904	+1.8	+1.0	+2.3	31,649	30,820	30,673	30,026	27,930
731,95	Shipbuilding and military tank vehicles.....	1,316	1,278	1,290	1,258	+3.0	-0.9	+2.5	1,317	1,302	1,288	1,262	1,574
8	Instruments and related products..	9,468	9,358	9,294	9,146	+1.2	+0.7	+1.6	9,533	9,543	9,465	9,306	8,947
81-4	Scientific and engineering instruments.....	6,758	6,657	6,636	6,560	+1.5	+0.3	+1.2	6,792	6,777	6,716	6,659	6,419
86	Photographic goods.....	2,140	2,127	2,107	2,048	+0.6	+0.9	+2.9	2,163	2,182	2,181	2,097	1,995
4,25, 39	All other durable goods.....	14,618	14,625	14,693	14,807	0.0	-0.5	-0.8	14,689	14,702	14,796	14,857	13,952
	Nondurable goods industries.....	95,458	95,029	94,015	92,399	+0.5	+1.1	+1.7	94,962	94,514	94,323	93,006	87,443
	With unfilled orders.....	23,274	22,967	22,639	22,438	+1.3	+1.4	+0.9	23,791	23,571	23,216	22,799	21,209
0	Food and kindred products.....	21,971	22,071	22,203	21,511	-0.5	-0.6	+3.2	20,974	20,726	21,208	21,018	19,437
01	Meat products.....	2,343	2,279	2,257	2,152	+2.8	+1.0	+4.9	2,268	2,263	2,318	2,262	1,909
08	Beverages.....	3,533	3,538	3,518	3,486	-0.1	+0.6	+0.9	3,385	3,485	3,553	3,566	3,445
07	Fats and oils.....	1,544	1,635	1,789	1,602	-5.6	-8.6	+11.7	1,334	1,501	1,674	1,652	1,133
03-6,9	All other foods.....	12,703	12,829	12,848	12,470	-1.0	-0.1	+3.0	12,094	11,649	11,820	11,710	11,162
1	Tobacco products.....	3,505	3,566	3,645	3,683	-1.7	-2.2	-1.0	3,211	3,360	3,561	3,746	4,077
2	Textile mill products.....	7,354	7,301	7,203	7,097	+0.7	+1.4	+1.5	7,364	7,385	7,421	7,259	6,600
6	Paper and allied products.....	9,334	9,203	9,123	9,036	+1.4	+0.9	+1.0	9,413	9,412	9,362	9,233	8,442
61-3,6	Pulp, paper etc.....	3,460	3,385	3,327	3,322	+2.2	+1.7	+0.2	3,454	3,425	3,395	3,364	3,250
65	Paperboard containers.....	2,541	2,481	2,475	2,454	+2.4	+0.2	+0.9	2,602	2,561	2,530	2,501	2,230
64	All other paper products.....	3,333	3,337	3,321	3,260	-0.1	+0.5	+1.9	3,357	3,426	3,437	3,368	2,962
8	Chemicals and allied products.....	21,804	21,617	20,810	20,585	+0.9	+3.9	+1.1	21,719	21,452	21,038	20,911	19,400
81,6	Industrial chemicals, except pigments.....	6,973	6,868	6,449	6,375	+1.5	+6.5	+1.2	6,987	6,848	6,533	6,438	5,805
83,4	Drugs, soaps, and toiletries....	6,732	6,634	6,600	6,594	+1.5	+0.5	+0.1	6,766	6,766	6,784	6,699	6,227
9	Petroleum and coal products.....	8,905	8,892	9,050	8,947	+0.1	-1.7	+1.2	8,961	8,808	8,971	8,831	8,646
0	Rubber and plastics products.....	6,230	6,185	5,992	5,786	+0.7	+3.2	+3.6	6,192	6,271	6,180	6,056	5,706
3,27, 31	All other nondurable goods.....	16,355	16,194	15,989	15,754	+1.0	+1.3	+1.5	17,128	17,100	16,582	15,952	15,135
	Market categories:												
	Home goods and apparel.....	22,570	22,405	22,261	22,023	+0.7	+0.6	+1.1	23,209	23,428	23,158	22,367	20,752
	Consumer staples.....	33,957	33,839	33,773	33,257	+0.3	+0.2	+1.6	32,998	32,651	33,049	32,938	31,649
	Equipment and defense products, except automotive.....	79,194	77,863	77,061	76,020	+1.7	+1.0	+1.4	79,364	78,095	77,796	76,628	73,274
	Automotive equipment.....	12,904	12,621	12,479	12,163	+2.2	+1.1	+2.6	12,271	12,223	12,338	12,147	10,051
	Construction materials, supplies and intermediate products.....	19,756	19,663	19,579	19,539	+0.5	+0.4	+0.2	19,731	19,823	19,784	19,838	18,998
	Other materials, supplies, and intermediate products.....	111,608	111,090	109,440	107,390	+0.5	+1.5	+1.9	111,903	111,308	110,517	108,732	102,495
	Supplementary series:[2]												
	Capital goods industries.....	90,370	88,778	87,746	86,342	+1.8	+1.2	+1.6	90,691	89,069	88,636	86,991	83,223
	Nondefense.....	69,599	68,789	68,254	67,417	+1.2	+0.8	+1.2	69,677	68,791	68,830	67,891	65,620
	Defense.....	20,771	19,989	19,492	18,925	+3.9	+2.5	+3.0	21,014	20,278	19,806	19,100	17,603
	Household durable goods industries.....	10,905	10,801	10,668	10,623	+1.0	+1.2	+0.4	11,095	11,092	11,009	10,801	9,925

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		July 1984[p]	June 1984[r]	May 1984	Apr. 1984	June-July[p]	May-June[r]	Apr.-May	July 1984[p]	June 1984[r]	May 1984	Apr. 1984	July 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	91,984	91,915	91,609	90,003	+0.1	+0.3	+1.8	91,975	91,522	91,642	90,458	84,694
	Durable goods industries.....	54,784	54,420	53,967	53,072	+0.7	+0.8	+1.7	54,926	54,209	53,825	52,996	50,367
32	Stone, clay, and glass products...	1,933	1,921	1,947	1,884	+0.6	-1.3	+3.3	1,933	1,917	1,934	1,886	1,924
33	Primary metals.....	6,776	6,707	6,587	6,428	+1.0	+1.8	+2.5	6,710	6,557	6,406	6,237	6,747
34	Fabricated metal products.....	7,335	7,357	7,203	7,195	-0.3	+2.1	+0.1	7,392	7,351	7,248	7,249	6,782
35	Machinery, except electrical.....	11,599	11,185	11,258	10,984	+3.7	-0.6	+2.5	11,641	11,204	11,324	11,069	10,744
36	Electrical Machinery.....	8,312	8,199	8,061	7,936	+1.4	+1.7	+1.6	8,455	8,270	8,124	8,069	7,327
37	Transportation equipment.....	10,604	10,876	10,852	10,699	-2.5	+0.2	+1.4	10,548	10,883	10,870	10,689	9,285
38	Instruments and related products..	2,823	2,801	2,720	2,603	+0.8	+3.0	+4.5	2,822	2,808	2,724	2,610	2,481
24,25, 39	All other durable goods.....	5,402	5,374	5,339	5,343	+0.5	+0.7	-0.1	5,425	5,219	5,195	5,187	5,077
	Nondurable goods industries.....	37,200	37,495	37,642	36,931	-0.8	-0.4	+1.9	37,049	37,313	37,817	37,462	34,327
20	Food and kindred products.....	7,751	8,221	8,485	8,292	-5.7	-3.1	+2.3	7,475	7,883	8,334	8,374	7,236
21	Tobacco products.....	3,013	3,044	3,139	3,155	-1.0	-3.0	-0.5	2,800	2,932	3,110	3,260	3,581
22	Textile mill products.....	2,298	2,347	2,284	2,238	-2.1	+2.8	+2.1	2,328	2,367	2,360	2,290	2,085
26	Paper and allied products.....	4,830	4,882	4,762	4,685	-1.1	+2.5	+1.6	4,883	4,926	4,775	4,713	4,162
28	Chemicals and allied products.....	8,268	8,264	8,197	7,913	0.0	+0.8	+3.6	8,332	8,189	8,264	8,030	7,324
29	Petroleum and coal products.....	2,315	2,163	2,115	2,166	+7.0	+2.3	-2.4	2,302	2,236	2,250	2,221	2,292
30	Rubber and plastics products.....	2,230	2,190	2,301	2,239	+1.8	-4.8	+2.8	2,252	2,227	2,307	2,282	2,054
23,27, 31	All other nondurable goods.....	6,495	6,384	6,359	6,243	+1.7	+0.4	+1.9	6,677	6,553	6,417	6,292	5,593
	WORK IN PROCESS												
	All manufacturing industries..	100,287	99,023	97,680	96,327	+1.3	+1.4	+1.4	100,047	98,604	98,438	97,013	90,499
	Durable goods industries.....	85,144	83,863	82,658	81,465	+1.5	+1.5	+1.5	84,912	83,547	83,213	81,971	76,025
32	Stone, clay, and glass products...	770	775	741	743	-0.6	+4.6	-0.3	762	794	780	794	797
33	Primary metals.....	8,328	8,369	8,261	8,090	-0.5	+1.3	+2.1	8,405	8,300	8,323	8,126	7,430
34	Fabricated metal products.....	6,519	6,550	6,429	6,362	-0.5	+1.9	+1.1	6,609	6,716	6,604	6,512	6,162
35	Machinery, except electrical.....	16,139	16,154	15,746	15,798	-0.1	+2.6	-0.3	15,987	16,037	15,948	15,872	15,130
36	Electrical Machinery.....	16,389	16,064	15,813	15,515	+2.0	+1.6	+1.9	16,425	16,170	16,002	15,650	14,289
37	Transportation equipment.....	29,469	28,416	28,044	27,275	+3.7	+1.3	+2.8	29,135	27,895	27,867	27,307	24,899
38	Instruments and related products..	3,958	3,961	3,985	3,935	-0.1	-0.6	+1.3	3,982	4,031	4,031	4,005	3,994
24,25, 39	All other durable goods.....	3,572	3,574	3,639	3,747	-0.1	-1.8	-2.9	3,607	3,604	3,658	3,705	3,324
	Nondurable goods industries.....	15,143	15,160	15,022	14,862	-0.1	+0.9	+1.1	15,135	15,057	15,225	15,042	14,474
20	Food and kindred products.....	1,794	1,737	1,696	1,724	+3.3	+2.4	-1.6	1,727	1,702	1,703	1,725	1,679
21	Tobacco products.....	256	280	256	258	-8.6	+9.4	-0.8	185	171	193	194	168
22	Textile mill products.....	2,158	2,130	2,196	2,167	+1.3	-3.0	+1.3	2,132	2,114	2,214	2,200	2,070
26	Paper and allied products.....	1,095	1,070	1,112	1,087	+2.3	-3.8	+2.3	1,101	1,111	1,130	1,105	1,111
28	Chemicals and allied products.....	3,711	3,729	3,480	3,429	-0.5	+7.2	+1.5	3,703	3,725	3,557	3,483	3,314
29	Petroleum and coal products.....	1,577	1,633	1,808	1,717	-3.4	-9.7	+5.3	1,606	1,630	1,847	1,759	1,761
30	Rubber and plastics products.....	1,175	1,185	1,028	989	-0.8	+15.3	+3.9	1,169	1,158	1,025	1,019	999
23,27, 31	All other nondurable goods.....	3,377	3,396	3,446	3,491	-0.6	-1.5	-1.3	3,512	3,446	3,556	3,557	3,372
	FINISHED GOODS												
	All manufacturing industries..	87,718	86,543	85,304	84,062	+1.4	+1.5	+1.5	87,454	87,402	86,562	85,179	82,026
	Durable goods industries.....	44,603	44,169	43,953	43,456	+1.0	+0.5	+1.1	44,676	45,258	45,281	44,677	43,384
32	Stone, clay, and glass products...	3,201	3,164	3,094	3,103	+1.2	+2.3	-0.3	3,224	3,221	3,243	3,224	3,040
33	Primary metals.....	6,112	6,074	6,086	5,795	+0.6	-0.2	+5.0	6,046	6,090	6,216	6,046	5,870
34	Fabricated metal products.....	4,536	4,640	4,599	4,610	-2.2	+0.9	-0.2	4,485	4,823	4,752	4,765	4,684
35	Machinery, except electrical.....	11,304	11,180	11,151	11,091	+1.1	+0.3	+0.5	11,526	11,489	11,417	11,254	11,697
36	Electrical Machinery.....	6,097	5,911	5,858	5,750	+3.1	+0.9	+1.9	6,049	6,127	6,121	5,921	5,308
37	Transportation equipment.....	5,022	4,927	4,861	4,782	+1.9	+1.4	+1.7	4,960	4,925	4,879	4,811	4,762
38	Instruments and related products..	2,687	2,596	2,589	2,608	+3.5	+0.3	-0.7	2,729	2,704	2,710	2,691	2,472
24,25, 39	All other durable goods.....	5,644	5,677	5,715	5,717	-0.6	-0.7	0.0	5,657	5,879	5,943	5,965	5,551
	Nondurable goods industries.....	43,115	42,374	41,351	40,606	+1.7	+2.5	+1.8	42,778	42,144	41,281	40,502	38,642
20	Food and kindred products.....	12,426	12,113	12,022	11,495	+2.6	+0.8	+4.6	11,772	11,141	11,171	10,919	10,522
21	Tobacco products.....	236	242	250	270	-2.5	-3.2	-7.4	226	257	258	292	325
22	Textile mill products.....	2,898	2,824	2,723	2,692	+2.6	+3.7	+1.2	2,904	2,904	2,847	2,769	2,449
26	Paper and allied products.....	3,409	3,251	3,249	3,264	+4.9	+0.1	-0.5	3,429	3,375	3,457	3,415	3,169
28	Chemicals and allied products.....	9,825	9,624	9,133	9,243	+2.1	+5.4	-1.2	9,684	9,538	9,217	9,398	8,762
29	Petroleum and coal products.....	5,013	5,096	5,127	5,064	-1.6	-0.6	+1.2	5,053	4,942	4,874	4,851	4,592
30	Rubber and plastics products.....	2,825	2,810	2,663	2,558	+0.5	+5.5	+4.1	2,771	2,886	2,848	2,755	2,653
23,27, 31	All other nondurable goods.....	6,483	6,414	6,184	6,020	+1.1	+3.7	+2.7	6,939	7,101	6,609	6,103	6,170

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		July 1984p	June 1984r	May 1984	Apr. 1984	July 1984p	June 1984r	May 1984	Apr. 1984
	All manufacturing industries	1.48	1.46	1.45	1.44	3.56	3.49	3.55	3.59
	Durable goods industries	1.89	1.84	1.84	1.86	4.36	4.25	4.33	4.38
32	Stone, clay, and glass products	1.31	1.30	1.25	1.28	0.56	0.57	0.57	0.59
33	Primary metals	1.87	1.84	1.85	1.82	1.81	1.82	1.96	2.05
34	Fabricated metal products	1.64	1.66	1.63	1.66	2.03	2.08	2.06	2.08
35	Machinery, except electrical	2.28	2.16	2.16	2.26	3.88	3.72	3.72	3.87
36	Electrical machinery	2.04	1.95	1.98	2.00	5.24	5.07	5.18	5.14
37	Transportation equipment	1.91	1.87	1.89	1.87	11.85	11.36	12.02	11.90
38	Instruments and related products	1.94	1.96	1.93	1.93	1.68	1.69	1.68	1.65
	Nondurable goods industries	1.04	1.04	1.03	1.01	0.52	0.52	0.52	0.54
20	Food and kindred products	0.88	0.90	0.89	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	2.71	2.28	2.58	2.79	(X)	(X)	(X)	(X)
22	Textile mill products	1.61	1.59	1.54	1.50	1.36	1.32	1.34	1.34
26	Paper and allied products	1.13	1.12	1.14	1.16	0.42	0.43	0.42	0.42
28	Chemicals and allied products	1.20	1.21	1.19	1.17	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.55	0.54	0.55	0.52	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.39	1.42	1.36	1.34	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1983	All Julys 1979-1983	July 1983-June 1984	Year ago July 1983	All Julys 1979-1983	July 1983-June 1984	Year ago July 1983	All Julys 1979-1983	July 1983-June 1984	Year ago July 1983	All Julys 1979-1983	July 1983-June 1984
	All manufacturing industries	0.3	0.4	0.3	0.0	0.5	0.3	0.1	0.3	0.1	0.1	0.2	0.1
	Durable goods industries	0.0	0.5	0.3	0.6	0.9	0.6	0.1	0.2	0.2	0.0	0.1	0.2
32	Stone, clay, and glass products	1.2	1.3	0.8	1.0	1.3	0.9	0.4	0.4	1.0	0.6	0.7	0.5
33	Primary metals	1.8	1.7	0.7	0.7	1.0	1.5	1.1	0.4	0.7	0.2	0.2	0.2
34	Fabricated metal products	0.1	0.4	0.8	0.1	1.3	1.0	0.0	0.3	0.3	0.3	0.5	0.3
35	Machinery, except electrical	0.5	1.2	0.6	0.4	3.6	0.8	0.3	0.7	0.2	0.1	0.1	0.3
36	Electrical machinery	1.2	0.6	0.8	1.9	0.7	1.0	0.2	0.1	0.2	0.0	0.2	0.2
37	Transportation equipment	0.6	1.0	0.6	0.5	1.0	1.4	0.0	0.0	0.2	0.1	0.2	0.3
38	Instruments and related products	0.7	1.0	1.0	1.0	2.5	1.0	1.0	0.7	0.4	0.4	0.3	0.4
	Nondurable goods industries	0.6	0.7	0.3	0.6	0.7	0.3	0.1	0.6	0.4	0.2	0.4	0.2
20	Food and kindred products	0.2	0.9	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.9	0.5
21	Tobacco products	0.6	2.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.2
22	Textile mill products	1.4	1.8	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.5	0.5
26	Paper and allied products	0.1	1.5	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	1.0	0.3
28	Chemicals and allied products	2.7	1.7	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.6
29	Petroleum and coal products	0.4	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.5
30	Rubber and plastics products	1.1	1.2	0.9	(X)	(X)	(X)	(X)	(X)	(X)	2.0	0.8	0.5
	Capital Goods Industries:												
	Nondefense	0.2	0.9	0.5	0.1	2.0	0.7	0.1	0.2	0.1	0.3	0.2	0.2
	Defense	2.1	1.3	0.8	2.0	1.7	2.4	0.2	0.1	0.1	1.3	0.4	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

C
3.158:
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
M3-1(84)-9

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

SEPTEMBER 1984

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(84)-9
For Wire Transmission 10:00 A.M. E.S.T. Wednesday, October 31, 1984

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in September declined $3.6 billion or 1.8 percent from August to $189.0 billion. New orders for durable goods more than accounted for the decline, dropping $3.9 billion or 3.8 percent. Excluding a large decrease in the defense capital goods sector and in the motor vehicle industry which is usually volatile during the third quarter, orders for durable goods were about the same as August. The nondurable goods sector showed a $0.3 billion or 0.4 percent increase.

Shipments of manufactured goods declined $2.4 billion or 1.2 percent to $189.6 billion. A decline in the motor vehicle industry of $2.5 billion or 14.4 percent accounted for the drop. Without motor vehicles, both the durable and nondurable sectors were about unchanged from August.

Unfilled orders for manufactured goods declined $0.6 billion or 0.2 percent to $359.0 billion. This is the first decline since the recession low in November 1982 of $293.1 billion, except for a 0.1 percent decrease in February 1983. The rate of increase in unfilled orders had been diminishing since June, however.

The book value of manufacturers' inventories increased $1.7 billion or 0.6 percent from August to $285.2 billion. This is the smallest one month percentage increase since manufacturers began rebuilding their inventories in February. Following the recession, the value of inventories declined to a low of $257.7 billion in July 1983, then stayed at about the $260 billion level through January 1984.

The inventory to shipments ratio in September was 1.50, up from 1.48 in August and from the low last December of 1.40.

NEW ORDERS. New orders for durable goods in September declined $3.9 billion or 3.8 percent to $98.1 billion. Most of the decline occurred in the transportation equipment industry; the motor vehicle industry and defense orders for aircraft and shipbuilding also showed large declines. Primary metals orders were down $1.1 billion or 9.9 percent to $10.1 billion. Steel accounted for $0.7 billion, dropping 14.8 percent to $4.0 billion; and nonferrous metals $0.3 billion, declining 6.2 percent to $4.9 billion. Both steel and nonferrous metals reached highs last November and have since averaged 2.0 percent and 1.8 percent declines per month respectively, although the monthly movements were substantially more volatile.

Machinery orders increased in September $0.7 billion or 2.1 percent to $34.7 billion, with both the electrical and nonelectrical categories going up. This is the first increase in nonelectrical orders since May.

SHIPMENTS. Durable goods shipments declined $2.4 billion or 2.4 percent to $98.7 billion. Declines in transportation equipment and primary metals were partially offset by an increase in machinery shipments.

Nondurable goods shipments were unchanged from August at $91.0 billion. Large increases in petroleum products of $0.9 billion or 5.5 percent and foods of $0.3 billion or 1.3 percent were offset by declines in most of the other nondurables, the largest of which was a $0.6 billion or 3.3 percent decline in chemicals.

UNFILLED ORDERS. The decline in unfilled orders in September reflected decreases in transportation equipment and primary metals. Partially offsetting those declines was a small increase in machinery to $145.0 billion. Unfilled orders for machinery have been increasing at the rate of 1.4 percent per month since February 1983, when they were valued at $115.2 billion.

INVENTORIES. The increase in inventories in September of $1.7 billion was virtually all in the durable goods sector. Transportation was up $0.7 billion, fabricated metals $0.4 billion, and machinery $0.3 billion. Nondurable inventories were nearly unchanged from August, as an increase in chemicals was offset by a decline in foods.

Within the durable goods sector the 0.8 percent inventory increase was fairly evenly distributed across the three stages of fabrication, while in the nondurable goods sector a decline in work in process of 2.5 percent was offset by increases in materials and supplies of 0.5 percent and finished goods of 0.6 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for October is scheduled for release on November 21, 1984 at 8:30 A.M. and the full report on December 4, 1984 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	1984[p]	1983
	All manufacturing industries	189,606	192,006	190,658	190,401	-1.2	+0.7	+0.1	198,606	188,646	175,607	201,941	1,698,874	1,505,273
	Manufacturing industries with unfilled orders	101,686	102,431	101,133	101,832	-0.7	+1.3	-0.7	106,880	100,370	91,819	108,123	896,623	770,588
	Durable goods industries	98,651	101,035	98,390	99,042	-2.4	+2.7	-0.7	103,305	96,864	88,455	106,969	880,021	744,863
	With unfilled orders	81,302	81,661	80,325	81,124	-0.4	+1.7	-1.0	85,477	79,286	72,543	87,008	713,940	608,193
32	Stone, clay, and glass products	4,459	4,719	4,575	4,495	-5.5	+3.1	+1.8	4,860	4,981	4,526	4,923	41,184	36,504
322	Glass containers	373	397	394	361	-6.0	+0.8	+9.1	387	420	389	407	3,538	3,760
33	Primary metals	10,537	11,608	11,364	11,488	-9.2	+2.1	-1.1	10,752	11,183	10,321	12,215	102,386	85,771
331	Blast furnaces, steel mills	4,501	4,848	4,913	4,906	-7.2	-1.3	+0.1	4,478	4,663	4,436	5,264	43,250	35,031
333-9	Nonferrous and other primary metals	4,769	5,375	5,175	5,349	-11.3	+3.9	-3.3	4,998	5,182	4,786	5,595	47,672	42,060
34	Fabricated metal products	11,499	11,555	11,459	11,145	-0.5	+0.8	+2.8	12,023	11,612	10,531	12,017	101,391	88,818
341	Metal cans, barrels, and drums	865	938	976	964	-7.8	-3.9	+1.2	977	1,099	1,050	1,072	8,544	8,771
35	Machinery, except electrical	18,347	17,307	17,292	17,821	+6.0	+0.1	-3.0	19,112	16,249	15,588	19,529	154,459	129,581
351	Engines and turbines	1,359	1,107	1,249	1,273	+22.8	-11.4	-1.9	1,402	1,034	1,096	1,399	11,224	8,939
352	Farm machinery and equipment	874	749	771	848	+16.7	-2.9	-9.1	893	663	645	936	8,066	7,917
353	Construction, mining, and material handling equipment	2,923	2,575	2,859	2,985	+13.5	-9.9	-4.2	2,990	2,467	2,744	3,194	24,416	20,644
354	Metalworking machinery	959	840	833	777	+14.2	+0.8	+7.2	1,007	775	726	855	7,358	5,812
356	General industrial machinery	1,477	1,457	1,426	1,334	+1.4	+2.2	+6.9	1,503	1,427	1,302	1,443	12,503	10,800
357	Office and computing machines	4,932	4,587	4,329	4,790	+7.5	+6.0	-9.6	5,435	4,344	3,684	5,273	38,363	32,553
36	Electrical machinery	15,746	15,422	15,223	15,435	+2.1	+1.3	-1.4	16,696	14,975	13,668	16,510	134,811	113,561
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,204	2,008	2,100	2,048	+9.8	-4.4	+2.5	2,331	1,949	1,823	2,207	18,414	16,170
363	Household appliances	1,432	1,448	1,508	1,598	-1.1	-4.0	-5.6	1,565	1,510	1,450	1,733	13,205	11,238
365	Radio and TV	841	881	930	779	-4.5	-5.3	+19.4	1,009	846	750	910	7,501	6,174
366	Communication equipment	4,784	4,672	4,360	4,689	+2.4	+7.2	-7.0	4,879	4,441	3,980	5,041	40,030	35,158
367	Electronic components	4,003	3,940	3,814	3,919	+1.6	+3.3	-2.7	4,227	3,845	3,478	4,107	33,756	25,758
37	Transportation equipment	23,219	25,496	23,576	23,627	-8.9	+8.1	-0.2	23,794	22,401	20,091	25,824	212,739	173,983
371	Motor vehicles and parts	14,854	17,358	15,722	15,324	-14.4	+10.4	+2.6	15,122	14,927	12,855	17,058	142,915	108,775
372,6	Aircraft, missiles, and parts	6,752	6,482	6,239	6,584	+4.2	+3.9	-5.2	7,066	5,946	5,708	6,972	54,909	52,122
3731,95	Shipbuilding and military tank vehicles	878	887	833	895	-1.0	+6.5	-6.9	903	832	830	936	7,656	7,435
38	Instruments and related products	4,882	4,746	4,883	4,774	+2.9	-2.8	+2.3	5,217	4,668	4,386	5,122	41,962	36,483
381-4	Scientific and engineering instruments	2,996	2,896	2,987	2,779	+3.5	-3.0	+7.5	3,179	2,815	2,629	2,957	25,077	21,518
386	Photographic goods	1,697	1,663	1,668	1,786	+2.0	-0.3	-6.6	1,826	1,657	1,553	1,947	15,060	13,203
24,25, 39	All other durable goods	9,962	10,182	10,018	10,257	-2.2	+1.6	-2.3	10,851	10,795	9,344	10,829	91,089	80,162
	Nondurable goods industries	90,955	90,971	92,268	91,359	0.0	-1.4	+1.0	95,301	91,782	87,152	94,972	818,853	760,410
	With unfilled orders	20,384	20,770	20,808	20,708	-1.9	-0.2	+0.5	21,403	21,084	19,276	21,115	182,683	162,395
20	Food and kindred products	24,579	24,255	25,202	24,409	+1.3	-3.8	+3.2	26,224	24,418	23,700	25,408	221,089	213,517
201	Meat products	5,691	5,819	5,814	5,869	-2.2	+0.1	-0.9	5,958	6,046	5,628	5,980	52,329	49,752
208	Beverages	3,657	3,645	3,780	3,725	+0.3	-3.6	+1.5	3,671	3,882	3,965	4,220	32,914	31,915
207	Fats and oils	1,152	1,235	1,329	1,414	-6.7	-7.1	-6.0	1,177	1,203	1,235	1,397	11,978	12,065
203-6,9	All other foods	10,854	10,384	11,202	10,197	+4.5	-7.3	+9.9	12,113	10,134	9,779	10,472	94,822	91,116
21	Tobacco products	1,470	1,444	1,295	1,566	+1.8	+11.5	-17.3	1,571	1,494	1,291	1,641	12,479	10,940
22	Textile mill products	4,573	4,588	4,520	4,595	-0.3	+1.5	-1.6	4,884	4,730	3,856	4,995	42,080	38,442
26	Paper and allied products	7,924	7,995	8,201	8,189	-0.9	-2.5	+0.1	8,137	8,167	7,706	8,546	72,181	63,263
261-3,6	Pulp, paper etc.	3,390	3,496	3,545	3,508	-3.0	-1.4	+1.1	3,442	3,512	3,307	3,688	31,281	26,920
265	Paperboard containers	1,796	1,853	1,863	1,807	-3.1	-0.5	+3.1	1,866	1,886	1,748	1,875	16,274	14,108
264	All other paper products	2,738	2,646	2,793	2,874	+3.5	-5.3	-2.8	2,829	2,769	2,651	2,983	24,626	22,235
28	Chemicals and allied products	17,449	18,048	18,172	17,901	-3.3	-0.7	+1.5	18,199	17,359	16,487	19,045	160,565	141,156
281,6	Industrial chemicals, except pigments	5,615	5,932	5,837	5,710	-5.3	+1.6	+2.2	5,699	5,736	5,435	6,036	51,644	43,678
283,4	Drugs, soaps, and toiletries	4,398	4,629	4,522	4,743	-5.0	+2.4	-4.7	5,198	4,550	4,074	5,027	40,163	37,589
29	Petroleum and coal products	17,269	16,362	16,537	16,541	+5.5	-1.1	0.0	17,370	16,469	16,471	17,044	148,716	142,760
30	Rubber and plastics products	4,197	4,304	4,407	4,352	-2.5	-2.3	+1.3	4,348	4,445	4,194	4,682	39,374	37,351
23,27, 31	All other nondurable goods	13,494	13,975	13,934	13,806	-3.4	+0.3	+0.9	14,568	14,700	13,447	13,611	122,369	112,981
	Market categories:													
	Home goods and apparel	12,567	12,877	13,116	13,202	-2.4	-1.8	-0.7	14,129	14,024	12,082	13,608	116,892	106,804
	Consumer staples	33,640	33,658	34,295	33,798	-0.1	-1.9	+1.5	36,246	33,737	32,320	35,147	300,607	284,310
	Equipment and defense products, except automotive	29,767	28,244	27,841	28,829	+5.4	+1.4	-3.4	31,148	26,756	25,201	31,154	247,002	216,056
	Automotive equipment	16,749	19,267	17,719	17,404	-13.1	+8.7	+1.8	17,104	16,913	14,799	19,298	161,544	125,503
	Construction materials, supplies and intermediate products	14,822	14,887	14,542	14,444	-0.4	+2.4	+0.7	15,855	15,710	14,403	15,802	131,080	116,403
	Other materials, supplies, and intermediate products	82,061	83,073	83,145	82,724	-1.2	-0.1	+0.5	84,124	81,506	76,802	86,932	741,749	656,197
	Supplementary series:[2]													
	Capital goods industries	33,787	32,177	31,852	32,869	+5.0	+1.0	-3.1	35,340	30,301	28,815	35,436	281,631	245,326
	Nondefense	27,652	26,048	25,859	26,892	+6.2	+0.7	-3.8	28,952	24,475	23,189	29,222	228,961	197,699
	Defense	6,135	6,129	5,993	5,977	+0.1	+2.3	+0.3	6,388	5,826	5,626	6,214	52,670	47,627
	Household durable goods industries	6,167	6,264	6,424	6,506	-1.5	-2.5	-1.3	7,027	6,567	5,591	6,767	55,453	47,328

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	1984[p]	1983
	All manufacturing industries	189,016	192,578	194,037	190,620	-1.8	-0.8	+1.8	196,744	187,247	177,480	199,212	1,725,124	1,523,726
	Manufacturing industries with unfilled orders	101,096	103,003	104,512	102,051	-1.9	-1.4	+2.4	105,018	98,971	93,692	105,394	922,873	789,041
	Durable goods industries	98,111	102,015	101,704	99,171	-3.8	+0.3	+2.6	101,585	95,892	90,211	104,411	906,386	761,412
	With unfilled orders	80,762	82,641	83,639	81,253	-2.3	-1.2	+2.9	83,757	78,314	74,299	84,450	740,305	624,742
32	Stone, clay, and glass products	4,456	4,815	4,596	4,417	-7.5	+4.8	+4.1	4,810	5,016	4,577	4,824	41,668	36,860
33	Primary metals	10,135	11,245	11,183	10,155	-9.9	+0.6	+10.1	9,932	10,771	10,077	10,298	101,286	89,582
331	Blast furnaces, steel mills	4,014	4,714	4,576	3,877	-14.8	+3.0	+18.0	3,850	4,460	4,104	3,863	41,678	37,199
333-9	Nonferrous and other primary metals	4,877	5,197	5,203	4,913	-6.2	-0.1	+5.9	4,891	5,014	4,691	5,027	47,533	43,494
34	Fabricated metal products	11,887	12,034	11,024	11,084	-1.2	+9.2	-0.5	12,378	11,900	10,229	12,033	102,953	88,424
35	Machinery, except electrical	17,947	17,549	18,149	18,512	+2.3	-3.3	-2.0	18,301	15,956	15,991	19,932	159,027	129,797
351	Engines and turbines	1,292	1,268	2,126	1,456	+1.9	-40.4	+46.0	1,325	1,232	1,992	1,393	11,768	8,017
353	Construction, mining, and material handling equipment	2,936	2,452	2,901	2,975	+19.7	-15.5	-2.5	2,972	2,276	2,806	3,166	24,823	20,570
354	Metalworking machinery	1,128	960	1,193	825	+17.5	-19.5	+44.6	1,103	955	1,122	905	8,483	5,770
356	General industrial machinery	1,419	1,484	1,399	1,466	-4.4	+6.1	-4.6	1,391	1,435	1,303	1,509	12,594	10,423
357	Office and computing machines	4,750	4,640	3,818	5,108	+2.4	+21.5	-25.3	5,057	3,749	2,756	5,759	39,823	33,766
36	Electrical machinery	16,718	16,403	16,267	15,988	+1.9	+0.8	+1.7	17,058	16,167	14,359	16,630	146,383	120,490
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,006	2,126	1,992	1,957	-5.6	+6.7	+1.8	2,109	2,051	1,725	2,063	18,227	16,166
363	Household appliances	1,423	1,385	1,497	1,525	+2.7	-7.5	-1.8	1,520	1,450	1,453	1,647	13,209	11,427
365	Radio and TV	847	1,019	877	851	-16.9	+16.2	+3.1	923	1,246	726	1,065	8,075	6,433
366	Communication equipment	5,906	6,088	4,997	5,700	-3.0	+21.8	-12.3	6,074	5,873	4,236	5,304	47,429	37,460
367	Electronic components	3,991	3,383	4,348	3,574	+18.0	-22.2	+21.7	3,723	3,189	3,977	4,050	37,444	29,797
37	Transportation equipment	21,911	25,096	25,267	24,055	-12.7	-0.7	+5.0	23,343	20,646	20,802	24,894	220,421	177,238
372,6	Aircraft, missiles, and parts	6,609	6,962	8,259	7,044	-5.1	-15.7	+17.2	7,364	4,983	6,891	7,028	65,297	54,625
3731,95	Shipbuilding and military tank vehicles	201	357	598	923	-43.7	-40.3	-35.2	641	355	225	214	5,667	6,962
38	Instruments and related products	4,944	4,907	4,919	4,767	+0.8	-0.2	+3.2	5,221	4,809	4,411	5,179	42,624	37,268
24,25, 39	All other durable goods	10,113	9,966	10,299	10,193	+1.5	-3.2	+1.0	10,542	10,627	9,765	10,621	92,024	81,753
	Nondurable goods industries	90,905	90,563	92,333	91,449	+0.4	-1.9	+1.0	95,159	91,355	87,269	94,801	818,738	762,314
	With unfilled orders	20,334	20,362	20,873	20,798	-0.1	-2.4	+0.4	21,261	20,657	19,393	20,944	182,568	164,299
	Market categories:													
	Home goods and apparel	12,570	12,896	13,159	13,057	-2.5	-2.0	+0.8	13,709	14,215	12,299	13,401	118,102	108,133
	Consumer staples	33,637	33,691	34,271	33,785	-0.2	-1.7	+1.4	36,277	33,798	32,333	35,132	300,629	284,335
	Equipment and defense products, except automotive	29,898	30,375	29,857	1,046,758	-1.6	+1.7	-97.1	31,812	26,705	25,529	31,021	264,675	219,816
	Automotive equipment	16,311	18,945	17,694	17,282	-13.9	+7.1	+2.4	16,676	16,644	14,948	18,997	160,718	126,630
	Construction materials, supplies and intermediate products	14,875	15,144	14,384	14,435	-1.8	+5.3	-0.4	15,881	15,806	14,283	15,802	132,023	116,494
	Other materials, supplies, and intermediate products	81,725	81,527	84,672	81,449	+0.2	-3.7	+4.0	82,389	80,079	78,088	84,859	748,977	668,318
	Supplementary series:[2]													
	Capital goods industries	34,062	34,083	34,863	35,019	-0.1	-2.2	-0.4	36,046	30,293	29,901	35,377	302,807	250,428
	Nondefense	27,560	26,499	27,648	28,029	+4.0	-4.2	-1.4	28,000	24,551	24,712	29,912	241,284	195,731
	Defense	6,502	7,584	7,215	6,990	-14.3	+5.1	+3.2	8,046	5,742	5,189	5,465	61,523	54,697
	Household durable goods industries	6,198	6,310	6,452	6,394	-1.8	-2.2	+0.9	6,648	6,833	5,773	6,602	56,672	48,591

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1984p	Aug. 1984r	July 1984	June 1984	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1984p	Aug. 1984r	July 1984	June 1984	Sept. 1983
	All manufacturing industries..	358,975	359,564	358,990	355,625	-0.2	+0.2	+0.9	354,202	356,071	357,473	355,590	312,599
	Durable goods industries.....	348,509	349,048	348,065	344,765	-0.2	+0.3	+1.0	343,793	345,519	346,493	344,731	301,814
32	Stone, clay, and glass products...	2,456	2,459	2,363	2,342	-0.1	+4.1	+0.9	2,425	2,475	2,441	2,390	2,011
33	Primary metals.....	19,930	20,333	20,696	20,877	-2.0	-1.8	-0.9	19,209	20,029	20,441	20,686	18,629
331	Blast furnaces, steel mills.....	8,455	8,942	9,076	9,413	-5.4	-1.5	-3.6	8,117	8,745	8,949	9,281	8,765
333-9	Nonferrous and other primary metals.....	8,228	8,120	8,298	8,269	+1.3	-2.1	+0.4	7,932	8,039	8,207	8,303	7,497
34	Fabricated metal products.....	21,575	21,187	20,709	21,146	+1.8	+2.3	-2.1	21,687	21,332	21,044	21,344	20,846
35	Machinery, except electrical.....	63,791	64,191	63,949	63,095	-0.6	+0.4	+1.4	62,708	63,519	63,814	63,408	55,745
351	Engines and turbines.....	15,382	15,449	15,289	14,413	-0.4	+1.0	+6.1	15,265	15,341	15,145	14,249	14,137
353	Construction, mining, and material handling equipment....	6,168	6,155	6,277	6,235	+0.2	-1.9	+0.7	6,075	6,093	6,284	6,222	5,557
354	Metalworking machinery.....	3,488	3,320	3,200	2,841	+5.1	+3.8	+12.6	3,499	3,403	3,223	2,826	2,354
356	General industrial machinery....	4,778	4,836	4,809	4,837	-1.2	+0.6	-0.6	4,739	4,851	4,843	4,841	4,315
357	Office and computing machines...	22,184	22,366	22,313	22,823	-0.8	+0.2	-2.2	21,607	21,985	22,580	23,508	19,354
36	Electrical machinery.....	81,211	80,239	79,254	78,214	+1.2	+1.2	+1.3	80,741	80,379	79,188	78,495	66,538
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,070	6,268	6,149	6,258	-3.2	+1.9	-1.7	6,054	6,276	6,174	6,271	6,758
363	Household appliances.....	455	464	527	538	-1.9	-12.0	-2.0	466	511	572	569	495
365	Radio and TV.....	753	746	607	661	+0.9	+22.9	-8.2	970	1,056	656	680	665
366	Communication equipment.....	50,115	48,993	47,576	46,940	+2.3	+3.0	+1.4	49,594	48,399	46,967	46,710	40,809
367	Electronic components.....	22,335	22,348	22,904	22,370	-0.1	-2.4	+2.4	22,157	22,661	23,317	22,818	16,457
37	Transportation equipment.....	145,518	146,824	147,224	145,534	-0.9	-0.3	+1.2	143,018	143,472	145,225	144,514	125,080
372,6	Aircraft, missiles, and parts...	116,668	116,810	116,329	114,309	-0.1	+0.4	+1.8	114,717	114,421	115,383	114,200	95,852
3731,95	Shipbuilding and military tank vehicles.....	21,080	21,757	22,287	22,522	-3.1	-2.4	-1.0	20,668	20,931	21,408	22,013	22,252
38	Instruments and related products..	8,345	8,282	8,122	8,087	+0.8	+2.0	+0.4	8,314	8,311	8,169	8,145	7,761
24,25, 39	All other durable goods.....	5,683	5,533	5,748	5,470	+2.7	-3.7	+5.1	5,691	6,002	6,171	5,749	5,204
	Nondurable goods industries.....	10,466	10,516	10,925	10,860	-0.5	-3.7	+0.6	10,409	10,552	10,980	10,859	10,785
	Market categories:												
	Home goods and apparel.....	4,654	4,650	4,631	4,590	+0.1	+0.4	+0.9	4,920	5,343	5,155	4,936	4,336
	Consumer staples.....	676	679	646	670	-0.4	+5.1	-3.6	722	691	630	617	790
	Equipment and defense products, except automotive.....	218,224	218,093	215,960	213,950	+0.1	+1.0	+0.9	214,563	213,899	213,952	213,619	186,779
	Automotive equipment.....	7,102	7,540	7,863	7,888	-5.8	-4.1	-0.3	6,953	7,381	7,650	7,501	6,478
	Construction materials, supplies and intermediate products.....	12,713	12,660	12,403	12,561	+0.4	+2.1	-1.3	12,793	12,768	12,672	12,791	12,538
	Other materials, supplies, and intermediate products.....	115,606	115,942	117,487	115,966	-0.3	-1.3	+1.3	114,251	115,989	117,414	116,126	101,678
	Supplementary series:[2]												
	Capital goods industries.....	262,005	261,729	259,820	256,817	+0.1	+0.7	+1.2	258,091	257,387	257,395	256,305	224,796
	Nondefense.....	136,863	136,955	136,501	134,717	-0.1	+0.3	+1.3	135,432	136,385	136,309	134,782	120,310
	Defense.....	125,142	124,774	123,319	122,100	+0.3	+1.2	+1.0	122,659	121,002	121,086	121,523	104,486
	Household durable goods industries.....	4,147	4,115	4,069	4,043	+0.8	+1.1	+0.6	4,421	4,801	4,537	4,355	3,858

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Sept. 1983
	All manufacturing industries..	285,184	283,525	280,019	277,481	+0.6	+1.3	+0.9	283,175	282,950	279,512	277,528	257,216
	Manufacturing industries with unfilled orders.....	196,965	195,424	192,560	190,065	+0.8	+1.5	+1.3	195,629	195,885	193,332	191,256	175,595
	Durable goods industries.....	188,725	187,142	184,559	182,452	+0.8	+1.4	+1.2	187,533	187,320	184,547	183,014	169,056
	With unfilled orders.....	173,124	171,846	169,297	167,098	+0.7	+1.5	+1.3	172,135	172,066	169,552	167,685	154,795
32	Stone, clay, and glass products...	6,031	5,923	5,878	5,360	+1.8	+0.8	+0.3	5,842	5,864	5,894	5,932	5,512
322	Glass containers.....	651	626	623	633	+4.0	+0.5	-1.6	637	630	637	641	597
33	Primary metals.....	21,376	21,302	21,158	21,150	+0.3	+0.7	0.0	21,187	21,214	21,105	20,947	19,611
331	Blast furnaces, steel mills.....	10,057	10,024	9,957	9,902	+0.3	+0.7	+0.6	10,067	10,074	9,997	9,754	9,411
333-9	Nonferrous and other primary metals.....	10,080	10,002	9,900	9,942	+0.8	+1.0	-0.4	9,898	9,892	9,841	9,893	9,022
34	Fabricated metal products.....	18,736	18,326	18,394	18,547	+2.2	-0.4	-0.8	18,407	18,323	18,492	18,890	17,242
341	Metal cans, barrels, and drums..	2,067	1,818	1,940	2,061	+13.7	-6.3	-5.9	1,796	1,763	2,059	2,283	1,615
35	Machinery, except electrical.....	39,967	40,070	39,060	38,519	-0.3	+2.6	+1.4	39,709	40,006	39,174	38,730	36,928
351	Engines and turbines.....	2,290	2,407	2,334	2,257	-4.9	+3.1	+3.4	2,245	2,364	2,310	2,246	2,085
352	Farm machinery and equipment....	1,993	1,989	1,858	1,860	+0.2	+7.1	-0.1	1,945	1,969	1,847	1,925	1,996
353	Construction, mining, and material handling equipment....	6,982	7,019	6,802	6,813	-0.5	+3.2	-0.2	6,878	6,977	6,823	6,875	7,440
354	Metalworking machinery.....	2,419	2,421	2,345	2,370	-0.1	+3.2	-1.1	2,399	2,426	2,369	2,380	2,240
356	General industrial machinery....	3,472	3,550	3,566	3,542	-2.2	-0.4	+0.7	3,441	3,522	3,570	3,570	3,649
357	Office and computing machines...	11,717	11,746	11,489	11,072	-0.2	+2.2	+3.8	11,787	11,911	11,638	11,094	9,826
36	Electrical machinery.....	31,848	31,397	30,824	30,174	+1.4	+1.9	+2.2	31,625	31,483	30,955	30,567	26,993
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,432	4,483	4,417	4,368	-1.1	+1.5	+1.1	4,420	4,480	4,425	4,411	4,013
363	Household appliances.....	2,481	2,402	2,357	2,294	+3.3	+1.9	+2.7	2,345	2,358	2,378	2,420	1,715
365	Radio and TV.....	1,333	1,262	1,228	1,204	+5.6	+2.8	+2.0	1,353	1,333	1,286	1,236	1,022
366	Communication equipment.....	12,650	12,379	12,207	11,882	+2.2	+1.4	+2.7	12,579	12,379	12,199	11,877	10,784
367	Electronic components.....	6,318	6,312	6,148	6,045	+0.1	+2.7	+1.7	6,299	6,319	6,191	6,111	5,450
37	Transportation equipment.....	46,634	45,895	45,093	44,219	+1.6	+1.8	+2.0	46,648	46,068	44,641	43,703	39,729
371	Motor vehicles and parts.....	10,687	10,523	10,565	10,281	+1.6	-0.4	+2.8	10,899	10,675	10,042	9,932	8,747
372,6	Aircraft, missiles, and parts...	32,779	32,291	31,485	30,921	+1.5	+2.6	+1.8	32,615	32,390	31,652	30,820	28,078
3731,95	Shipbuilding and military tank vehicles.....	1,422	1,339	1,324	1,278	+6.2	+1.1	+3.6	1,422	1,329	1,326	1,302	1,470
38	Instruments and related products..	9,466	9,526	9,483	9,358	-0.6	+0.5	+1.3	9,415	9,556	9,549	9,543	8,899
381-4	Scientific and engineering instruments.....	6,820	6,803	6,773	6,657	+0.2	+0.4	+1.7	6,772	6,790	6,807	6,777	6,361
386	Photographic goods.....	2,068	2,143	2,140	2,127	-3.5	+0.1	+0.6	2,068	2,184	2,164	2,182	2,033
24,25, 39	All other durable goods.....	14,667	14,703	14,669	14,625	-0.2	+0.2	+0.3	14,700	14,806	14,737	14,702	14,142
	Nondurable goods industries.....	96,459	96,383	95,460	95,029	+0.1	+1.0	+0.5	95,642	95,630	94,965	94,514	88,160
	With unfilled orders.....	23,841	23,578	23,263	22,967	+1.1	+1.4	+1.3	23,494	23,819	23,780	23,571	20,800
20	Food and kindred products.....	21,653	22,285	22,039	22,071	-2.8	+1.1	-0.1	21,957	21,751	21,043	20,726	21,092
201	Meat products.....	2,238	2,295	2,345	2,279	-2.5	-2.1	+2.9	2,137	2,178	2,270	2,263	1,853
208	Beverages.....	3,512	3,590	3,560	3,538	-2.2	+0.8	+0.6	3,434	3,396	3,411	3,485	3,247
207	Fats and oils.....	1,314	1,412	1,471	1,635	-6.9	-4.0	-10.0	1,009	1,148	1,271	1,501	1,715
203-6,9	All other foods.....	12,776	13,164	12,833	12,829	-2.9	+2.6	0.0	13,580	13,177	12,217	11,649	12,618
21	Tobacco products.....	3,623	3,470	3,501	3,566	+4.4	-0.9	-1.8	3,558	3,234	3,207	3,360	4,125
22	Textile mill products.....	7,355	7,400	7,367	7,301	-0.6	+0.4	+0.9	7,166	7,344	7,377	7,385	6,643
26	Paper and allied products.....	9,602	9,425	9,353	9,203	+1.9	+0.8	+1.6	9,380	9,390	9,431	9,412	8,299
261-3,6	Pulp, paper etc.....	3,527	3,471	3,480	3,385	+1.6	-0.3	+2.8	3,459	3,480	3,473	3,425	3,172
265	Paperboard containers.....	2,648	2,559	2,531	2,481	+3.5	+1.1	+2.0	2,603	2,569	2,592	2,561	2,163
264	All other paper products.....	3,427	3,395	3,342	3,337	+0.9	+1.6	+0.1	3,318	3,341	3,366	3,426	2,964
28	Chemicals and allied products.....	22,679	22,118	21,758	21,617	+2.5	+1.7	+0.7	22,077	21,911	21,672	21,452	19,045
281,6	Industrial chemicals, except pigments.....	7,252	7,135	6,958	6,868	+1.6	+2.5	+1.3	7,093	7,092	6,972	6,848	5,746
283,4	Drugs, soaps, and toiletries....	7,191	6,825	6,748	6,634	+5.4	+1.1	+1.7	7,026	6,825	6,782	6,766	6,142
29	Petroleum and coal products.....	8,812	8,889	8,858	8,892	-0.9	+0.3	-0.4	8,984	8,944	8,915	8,808	8,830
30	Rubber and plastics products.....	6,181	6,329	6,251	6,185	-2.3	+1.2	+1.1	5,996	6,147	6,212	6,271	5,535
23,27, 31	All other nondurable goods.....	16,554	16,467	16,333	16,194	+0.5	+0.8	+0.9	16,524	16,909	17,108	17,100	14,591
	Market categories:												
	Home goods and apparel.....	22,762	22,738	22,655	22,405	+0.1	+0.4	+1.1	22,526	23,044	23,294	23,428	20,263
	Consumer staples.....	34,606	34,506	34,089	33,839	+0.3	+1.2	+0.7	35,006	34,074	33,120	32,651	32,593
	Equipment and defense products, except automotive.....	81,688	81,117	79,224	77,863	+0.7	+2.4	+1.7	81,053	81,052	79,398	78,095	72,630
	Automotive equipment.....	13,075	12,936	12,889	12,621	+1.1	+0.4	+2.1	13,200	12,965	12,255	12,223	10,736
	Construction materials, supplies and intermediate products.....	19,816	19,657	19,717	19,663	+0.8	-0.3	+0.3	19,533	19,544	19,692	19,823	19,038
	Other materials, supplies, and intermediate products.....	113,237	112,571	111,445	111,090	+0.6	+1.0	+0.3	111,857	112,271	111,753	111,308	101,956
	Supplementary series:[2]												
	Capital goods industries.....	93,156	92,358	90,369	88,778	+0.9	+2.2	+1.8	92,621	92,450	90,692	89,069	82,620
	Nondefense.....	71,018	71,095	69,593	68,789	-0.1	+2.2	+1.2	70,759	71,107	69,674	68,791	65,311
	Defense.....	22,138	21,263	20,776	19,989	+4.1	+2.3	+3.9	21,862	21,343	21,018	20,278	17,309
	Household durable goods industries.....	11,130	11,084	10,971	10,801	+0.4	+1.0	+1.6	11,011	11,250	11,160	11,092	9,764

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Sept. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	94,406	93,732	92,957	91,915	+0.7	+0.8	+1.1	93,521	93,246	92,939	91,522	85,657
	Durable goods industries.....	56,573	56,089	55,339	54,420	+0.9	+1.4	+1.7	56,543	56,304	55,478	54,209	50,833
32	Stone, clay, and glass products...	1,997	1,988	1,952	1,921	+0.5	+1.8	+1.6	1,986	1,978	1,952	1,917	1,914
33	Primary metals.....	7,011	6,922	6,790	6,707	+1.3	+1.9	+1.2	7,028	6,902	6,724	6,557	6,555
34	Fabricated metal products.....	7,418	7,309	7,342	7,357	+1.5	-0.4	-0.2	7,383	7,327	7,399	7,351	6,827
35	Machioery, except electrical.....	12,074	11,876	11,695	11,185	+1.7	+1.5	+4.6	11,932	11,821	11,737	11,204	10,450
36	Electrical Machinery.....	8,528	8,479	8,336	8,199	+0.6	+1.7	+1.7	8,508	8,554	8,479	8,270	7,459
37	Transportstion equipment.....	11,343	11,225	10,967	10,876	+1.1	+2.4	+0.8	11,361	11,367	10,908	10,883	9,710
38	Instruments and related products..	2,748	2,843	2,831	2,801	-3.3	+0.4	+1.1	2,766	2,833	2,830	2,808	2,562
24,25, 39	All other durable goods.....	5,454	5,447	5,426	5,374	+0.1	+0.4	+1.0	5,579	5,522	5,449	5,219	5,356
	Nondurable goods industries.....	37,833	37,643	37,618	37,495	+0.5	+0.1	+0.3	36,978	36,942	37,461	37,313	34,824
20	Food and kindred products.....	7,896	7,984	8,022	8,221	-1.1	-0.5	-2.4	7,450	7,488	7,736	7,883	7,834
21	Tobacco products.....	3,158	3,041	3,019	3,044	+3.8	+0.7	-0.8	3,021	2,835	2,806	2,932	3,603
22	Textile mill products.....	2,318	2,287	2,316	2,347	+1.4	-1.3	-1.3	2,218	2,254	2,346	2,367	2,052
26	Paper and allied products.....	4,906	4,837	4,837	4,882	+1.4	0.0	-0.9	4,884	4,847	4,889	4,926	4,236
28	Chemicals and allied products.....	8,367	8,410	8,281	8,264	-0.5	+1.6	+0.2	8,317	8,403	8,344	8,189	7,353
29	Petroleum and coal products.....	2,286	2,183	2,316	2,163	+4.7	-5.7	+7.1	2,223	2,149	2,303	2,236	2,140
30	Rubber and plastics products.....	2,228	2,247	2,244	2,190	-0.8	+0.1	+2.5	2,183	2,180	2,267	2,227	1,986
23,27, 31	All other nondurable goods.....	6,674	6,654	6,583	6,384	+0.3	+1.1	+3.1	6,682	6,786	6,770	6,553	5,620
	WORK IN PROCESS												
	All manufacturing industries..	101,658	101,273	99,803	99,023	+0.4	+1.5	+0.8	101,523	101,693	99,567	98,604	90,797
	Durable goods industries.....	86,805	86,034	84,765	83,863	+0.9	+1.5	+1.1	86,576	86,365	84,538	83,547	76,241
32	Stone, clay, and glass products...	805	787	774	775	+2.3	+1.7	-0.1	780	774	766	794	772
33	Primary metals.....	8,192	8,285	8,338	8,369	-1.1	-0.6	-0.4	8,187	8,393	8,416	8,300	7,386
34	Fabricated metal products.....	6,765	6,506	6,549	6,550	+4.0	-0.7	0.0	6,673	6,523	6,640	6,716	6,107
35	Machinery, except electrical.....	16,207	16,430	16,050	16,154	-1.4	+2.4	-0.6	16,146	16,452	15,900	16,037	15,153
36	Electrical Machinery.....	17,214	16,784	16,349	16,064	+2.6	+2.7	+1.8	17,087	16,832	16,385	16,170	14,150
37	Transportation equipment.....	30,196	29,745	29,165	28,416	+1.5	+2.0	+2.6	30,275	29,822	28,833	27,895	25,369
38	Instruments and related products..	3,997	3,963	3,984	3,961	+0.9	-0.5	+0.6	3,959	3,991	4,009	4,031	3,906
24,25, 39	All other durable goods.....	3,429	3,534	3,556	3,574	-3.0	-0.6	-0.5	3,469	3,578	3,589	3,604	3,398
	Nondurable goods industries.....	14,853	15,239	15,038	15,160	-2.5	+1.3	-0.8	14,947	15,328	15,029	15,057	14,556
20	Food and kindred products.....	1,752	1,881	1,776	1,737	-6.9	+5.9	+2.2	1,722	1,779	1,709	1,702	1,681
21	Tobacco products.....	202	193	255	280	+4.7	-24.3	-8.9	293	179	184	171	240
22	Textile mill products.....	2,087	2,240	2,159	2,130	-6.8	+3.8	+1.4	2,080	2,239	2,133	2,114	2,177
26	Paper and allied products.....	1,121	1,084	1,106	1,070	+3.4	-2.0	+3.4	1,129	1,114	1,112	1,111	1,064
28	Chemicals and allied products.....	3,799	3,768	3,697	3,729	+0.8	+1.9	-0.9	3,773	3,765	3,688	3,725	3,334
29	Petroleum and coal products.....	1,514	1,622	1,545	1,633	-6.7	+5.0	-5.4	1,513	1,642	1,573	1,630	1,744
30	Rubber and plastics products.....	1,086	1,148	1,147	1,185	-5.4	+0.1	-3.2	1,095	1,148	1,142	1,158	1,008
23,27, 31	All other nondurable goods.....	3,292	3,303	3,353	3,396	-0.3	-1.5	-1.3	3,342	3,462	3,488	3,446	3,308
	FINISHED GOODS												
	All manufacturing industries..	89,120	88,520	87,259	86,543	+0.7	+1.4	+0.8	88,131	88,011	87,006	87,402	80,762
	Durable goods industries.....	45,347	45,019	44,455	44,169	+0.7	+1.3	+0.6	44,414	44,651	44,531	45,258	41,982
32	Stone, clay, and glass products...	3,229	3,148	3,152	3,164	+2.6	-0.1	-0.4	3,076	3,112	3,176	3,221	2,826
33	Primary metals.....	6,173	6,095	6,030	6,074	+1.3	+1.1	-0.7	5,972	5,919	5,965	6,090	5,670
34	Fabricated metal products.....	4,553	4,511	4,503	4,640	+0.9	+0.2	-3.0	4,351	4,473	4,453	4,823	4,308
35	Machinery, except electrical.....	11,686	11,764	11,315	11,180	-0.7	+4.0	+1.2	11,631	11,733	11,537	11,489	11,325
36	Electrical Machinery.....	6,106	6,134	6,139	5,911	-0.5	-0.1	+3.9	6,030	6,097	6,091	6,127	5,384
37	Transportation equipment.....	5,095	4,925	4,961	4,927	+3.5	-0.7	+0.7	5,012	4,879	4,900	4,925	4,650
38	Instruments and related products..	2,721	2,720	2,668	2,596	0.0	+1.9	+2.8	2,690	2,732	2,710	2,704	2,431
24,25, 39	All other durable goods.....	5,784	5,722	5,687	5,677	+1.1	+0.6	+0.2	5,652	5,706	5,699	5,879	5,388
	Nondurable goods industries.....	43,773	43,501	42,804	42,374	+0.6	+1.6	+1.0	43,717	43,360	42,475	42,144	38,780
20	Food and kindred products.....	12,005	12,420	12,241	12,113	-3.3	+1.5	+1.1	12,785	12,484	11,598	11,141	11,577
21	Tobacco products.....	263	236	227	242	+11.4	+4.0	-6.2	244	220	217	257	282
22	Textile mill products.....	2,950	2,873	2,892	2,824	+2.7	-0.7	+2.4	2,868	2,851	2,898	2,904	2,414
26	Paper and allied products.....	3,575	3,504	3,410	3,251	+2.0	+2.8	+4.9	3,367	3,429	3,430	3,375	2,999
28	Chemicals and allied products.....	10,513	9,940	9,780	9,624	+5.8	+1.6	+1.6	9,987	9,743	9,640	9,538	8,358
29	Petroleum and coal products.....	5,012	5,084	4,997	5,096	-1.4	+1.7	-1.9	5,248	5,153	5,039	4,942	4,946
30	Rubber and plastics products.....	2,867	2,934	2,860	2,810	-2.3	+2.6	+1.8	2,718	2,819	2,803	2,886	2,541
23,27, 31	All other nondurable goods.....	6,588	6,510	6,397	6,414	+1.2	+1.8	-0.3	6,500	6,661	6,850	7,101	5,663

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984	Sept. 1984[p]	Aug. 1984[r]	July 1984	June 1984
	All manufacturing industries	1.50	1.48	1.47	1.46	3.53	3.51	3.55	3.49
	Durable goods industries	1.91	1.85	1.88	1.84	4.29	4.27	4.33	4.25
32	Stone, clay, and glass products	1.35	1.26	1.28	1.30	0.60	0.57	0.57	0.57
33	Primary metals	2.03	1.84	1.86	1.84	1.89	1.75	1.82	1.82
34	Fabricated metal products	1.63	1.59	1.61	1.66	2.03	2.00	1.98	2.08
35	Machinery, except electrical	2.18	2.32	2.26	2.16	3.65	3.88	3.87	3.72
36	Electrical machinery	2.02	2.04	2.02	1.95	5.16	5.20	5.21	5.07
37	Transportation equipment	2.01	1.80	1.91	1.87	11.37	11.22	11.84	11.36
38	Instruments and related products	1.94	2.01	1.94	1.96	1.71	1.75	1.66	1.69
	Nondurable goods industries	1.06	1.06	1.03	1.04	0.51	0.51	0.53	0.52
20	Food and kindred products	0.88	0.92	0.87	0.90	(X)	(X)	(X)	(X)
21	Tobacco products	2.46	2.40	2.70	2.28	(X)	(X)	(X)	(X)
22	Textile mill products	1.61	1.61	1.63	1.59	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.21	1.18	1.14	1.12	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.30	1.23	1.20	1.21	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.51	0.54	0.54	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.47	1.47	1.42	1.42	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1983	All Septs. 1979-1983	Sept. 1983-Aug. 1984	Year ago Sept. 1983	All Septs. 1979-1983	Sept. 1983-Aug. 1984	Year ago Sept. 1983	All Septs. 1979-1983	Sept. 1983-Aug. 1984	Year ago Sept. 1983	All Septs. 1979-1983	Sept. 1983-Aug. 1984
	All manufacturing industries.	0.1	0.4	0.2	0.0	0.4	0.4	0.0	0.2	0.1	0.3	0.2	0.1
	Durable goods industries	0.3	0.3	0.3	0.0	0.4	0.6	0.1	0.1	0.2	0.5	0.5	0.2
32	Stone, clay, and glass products	0.3	0.9	0.7	0.5	1.0	0.9	0.3	1.3	1.1	0.5	0.5	0.4
33	Primary metals	0.3	0.4	0.6	0.3	0.7	1.6	0.2	0.2	0.7	0.0	0.1	0.2
34	Fabricated metal products	0.7	0.5	0.8	0.7	1.1	0.9	0.1	0.3	0.3	0.2	0.3	0.2
35	Machinery, except electrical	0.6	1.3	0.6	0.3	2.4	1.0	0.2	0.3	0.3	2.3	0.6	0.3
36	Electrical machinery	0.2	0.3	0.7	0.2	0.7	0.8	0.0	0.1	0.1	0.2	0.1	0.2
37	Transportation equipment	0.0	0.4	0.6	0.6	2.3	1.4	0.1	0.3	0.2	0.2	0.2	0.2
38	Instruments and related products.	0.3	0.5	1.0	0.4	0.7	1.1	0.1	0.4	0.5	0.0	0.3	0.4
	Nondurable goods industries	0.0	0.5	0.2	0.1	0.6	0.3	0.4	0.6	0.4	0.1	0.4	0.2
20	Food and kindred products	0.6	1.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.9	0.5
21	Tobacco products	0.0	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.2
22	Textile mill products	1.1	1.1	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.3	0.5
26	Paper and allied products	0.8	2.0	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.7	0.3
28	Chemicals and allied products	1.6	1.2	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.5
29	Petroleum and coal products	0.4	0.6	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.7	0.5
30	Rubber and plastics products	0.4	1.2	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.0	1.2	0.3
	Capital Goods Industries:												
	Nondefense	0.9	0.8	0.6	0.0	1.2	0.9	0.2	0.9	0.2	1.3	0.4	0.2
	Defense	0.5	1.4	0.9	2.8	6.6	2.4	0.0	0.4	0.1	0.2	0.6	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JAN 27 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

OCTOBER 1984

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(84)-10

For Wire Transmission 10:00 A.M. E.S.T. Tuesday, December 4, 1984

M 3-1 (84)-10

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in October declined $4.7 billion or 2.5 percent from September to $185.1 billion. This is the third consecutive monthly decline in orders; the decrease in September was 1.4 percent and in August 0.8 percent. Both the durable and nondurable goods sectors were down in October.

Shipments of manufactured goods were down a slight 0.1 percent in October to $190.0 billion. A decline in shipments of nondurable goods of $1.0 billion or 1.1 percent more than offset an increase in durable goods of $0.9 billion or 0.9 percent. The nondurable goods decline was concentrated in the petroleum products industry.

Unfilled orders for manufactured goods in October declined $5.0 billion or 1.4 percent to $354.3 billion, following a 0.1 percent decline in September. These consecutive monthly declines followed increases which averaged 1.1 percent per month between the recession low in November 1982 and August of this year.

The book value of manufacturers' inventories in October increased $1.2 billion or 0.4 percent to $286.6 billion, following a 0.7 percent increase in September. For the last 2 months manufacturers have slowed the rate of increase in inventories, which had expanded from January through August at the average rate of 1.2 percent per month.

The inventory to shipments ratio in October was 1.51, up from 1.50 in September.

NEW ORDERS. New orders in the durable goods sector declined $3.5 billion or 3.5 percent to $95.2 billion. The declines were widespread. Electrical machinery was down 14.6 percent, mostly caused by decreases in communication equipment and electronic components. Nonelectrical machinery was down 7.0 percent; this is the fourth decline in the last 5 months, dropping the level below a year ago. Transportation equipment was down 1.3 percent, following an 11.9 percent decrease last month. Primary metals were up 2.5 percent, following an 8.6 percent decrease last month. The primary metals increase was caused by the steel industry, where an increase of 13.5 percent offset last month's decline of 13.6 percent.

Within the capital goods categories, new orders for nondefense goods declined 9.3 percent to $25.3 billion, while defense orders dropped 30.5 percent to $4.6 billion. Defense orders had averaged $7.3 billion per month for the first nine months of this year.

SHIPMENTS. Shipments of durable goods in October were up $0.9 billion or 0.9 percent to $99.9 billion, with most of the major industries increasing. Primary metals were up 5.0 percent, transportation equipment 4.1 percent, and fabricated metals 1.2 percent.

The largest declines were in machinery categories; electrical was down 4.8 percent and nonelectrical 3.2 percent.

Shipments of nondurable goods declined $1.0 billion or 1.1 percent to $90.2 billion. Most of the decline reflected a decrease in petroleum shipments of 5.7 percent to $16.2 billion. Petroleum shipments reached a low point in February 1983 of $14.1 billion, after several consecutive monthly declines. Between February 1983 and March 1984 shipments increased to $17.3 billion, but have been generally declining since.

UNFILLED ORDERS. Virtually all major industry categories showed declines in unfilled orders in October, many following declines last month. Transportation equipment was down 1.7 percent in October and 0.8 percent in September; non-electrical machinery 1.6 percent and 0.6 percent respectively; and primary metals 2.9 percent and 1.5 percent respectively. The October decline in electrical machinery of 0.8 percent was the first decrease in that series in three years.

INVENTORIES. The increase in inventories in October of 0.4 percent resulted from a larger increase in the durable goods sector of $1.6 billion or 0.9 percent being partially offset by a decline in the nondurable goods sector of $0.4 billion or 0.5 percent. The durable industry increases were mainly in electrical and non-electrical machinery and transportation equipment. The nondurable goods industry decline was caused mostly by a decline in food products inventories.

Stage of fabrication inventories showed a different pattern this month. Materials and supplies declined 0.3 percent, the first decrease since July 1983. Finished goods were up 0.3 percent, the smallest increase since a 0.1 percent decline in January; a 1.5 percent increase in durables offset a 1.0 percent decline in nondurables. Work in process inventories continued its current pattern of increases, going up 1.2 percent in October.

SCHEDULED RELEASE DATES. The advance report on durable goods for November is scheduled for release on December 21, 1984 at 8:30 A.M. and the full report on January 3, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1984p	Sept. 1984r	Aug. 1984	July 1984	Sept.-Oct.p	Aug.-Sept.r	July-Aug.	Oct. 1984p	Sept. 1984r	Aug. 1984	July 1984	1984p	1983
	All manufacturing industries	190,042	190,151	192,006	190,658	-0.1	-1.0	+0.7	195,887	199,222	188,646	175,607	1,895,377	1,688,064
	Manufacturing industries with unfilled orders	102,724	102,173	102,431	101,133	+0.5	-0.3	+1.3	105,720	107,414	100,370	91,819	1,002,877	865,321
	Durable goods industries	99,855	98,943	101,035	98,390	+0.9	-2.1	+2.7	103,684	103,634	96,864	88,455	984,034	837,598
	With unfilled orders	81,808	81,575	81,661	80,325	+0.3	-0.1	+1.7	83,960	85,787	79,286	72,543	798,210	682,967
32	Stone, clay, and glass products	4,730	4,525	4,719	4,575	+4.5	-4.1	+3.1	5,066	4,931	4,981	4,526	46,321	41,035
322	Glass containers	401	385	397	394	+4.2	-3.0	+0.8	405	399	420	389	3,955	4,163
33	Primary metals	11,105	10,576	11,608	11,364	+5.0	-8.9	+2.1	11,117	10,793	11,183	10,321	113,544	96,430
331	Blast furnaces, steel mills	4,770	4,532	4,848	4,913	+5.3	-6.5	-1.3	4,646	4,510	4,663	4,436	47,928	39,331
333-9	Nonferrous and other primary metals	5,075	4,787	5,375	5,175	+6.0	-10.9	+3.9	5,157	5,017	5,182	4,786	52,848	47,208
34	Fabricated metal products	11,577	11,438	11,555	11,459	+1.2	-1.0	+0.8	12,163	11,959	11,612	10,531	113,490	100,042
341	Metal cans, barrels, and drums	877	865	938	976	+1.4	-7.8	-3.9	841	977	1,099	1,050	9,385	9,656
35	Machinery, except electrical	17,835	18,418	17,307	17,292	-3.2	+6.4	+0.1	17,841	19,204	16,249	15,588	172,392	145,187
351	Engines and turbines	1,170	1,359	1,107	1,249	-13.9	+22.8	-11.4	1,135	1,402	1,034	1,096	12,359	9,969
352	Farm machinery and equipment	986	860	749	771	+14.7	+14.8	-2.9	1,096	878	663	645	9,147	8,927
353	Construction, mining, and material handling equipment	2,871	2,883	2,575	2,859	-0.4	+12.0	-9.9	2,846	2,949	2,467	2,744	27,221	23,167
354	Metalworking machinery	945	943	840	833	+0.2	+12.3	+0.8	996	990	775	726	8,337	6,571
356	General industrial machinery	1,430	1,434	1,457	1,426	-0.3	-1.6	+2.2	1,502	1,459	1,427	1,302	13,961	12,109
357	Office and computing machines	4,504	4,957	4,587	4,329	-9.1	+8.1	+6.0	4,328	5,463	4,344	3,684	42,719	36,358
36	Electrical machinery	14,972	15,731	15,422	15,223	-4.8	+2.0	+1.3	15,457	16,681	14,975	13,668	150,253	127,627
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,036	2,238	2,008	2,100	-9.0	+11.5	-4.4	2,013	2,367	1,949	1,823	20,463	18,022
363	Household appliances	1,366	1,424	1,448	1,508	-4.1	-1.7	-4.0	1,425	1,556	1,510	1,450	14,621	12,597
365	Radio and TV	805	832	881	930	-3.2	-5.6	-5.3	934	998	846	750	8,424	7,067
366	Communication equipment	4,488	4,744	4,672	4,360	-5.4	+1.5	+7.2	4,533	4,837	4,441	3,980	44,521	39,310
367	Electronic components	3,781	3,973	3,940	3,814	-4.8	+0.8	+3.3	3,804	4,196	3,845	3,478	37,529	28,964
37	Transportation equipment	24,294	23,339	25,496	23,576	+4.1	-8.5	+8.1	25,765	23,915	22,401	20,091	238,625	195,931
371	Motor vehicles and parts	15,845	14,970	17,358	15,722	+5.8	-13.8	+10.4	17,492	15,242	14,927	12,855	160,527	123,763
372,6	Aircraft, missiles, and parts	6,838	6,756	6,482	6,239	+1.2	+4.2	+3.9	6,670	7,068	5,946	5,708	61,581	57,618
3731,95	Shipbuilding and military tank vehicles	894	871	887	833	+2.6	-1.8	+6.5	888	896	832	830	8,537	8,287
38	Instruments and related products	4,662	4,838	4,746	4,883	-3.6	+1.9	-2.8	4,811	5,170	4,668	4,386	46,726	40,927
381-4	Scientific and engineering instruments	2,792	2,956	2,896	2,987	-5.5	+2.1	-3.0	2,829	3,136	2,815	2,629	27,863	24,092
386	Photographic goods	1,675	1,693	1,663	1,668	-1.1	+1.8	-0.3	1,768	1,822	1,657	1,553	16,824	14,876
24,25, 39	All other durable goods	10,680	10,078	10,182	10,018	+6.0	-1.0	+1.6	11,464	10,981	10,795	9,344	102,683	90,419
	Nondurable goods industries	90,187	91,208	90,971	92,268	-1.1	+0.3	-1.4	92,203	95,588	91,782	87,152	911,343	850,466
	With unfilled orders	20,916	20,598	20,770	20,808	+1.5	-0.8	-0.2	21,760	21,627	21,084	19,276	204,667	182,354
20	Food and kindred products	24,427	24,329	24,255	25,202	+0.4	+0.3	-3.8	25,246	25,963	24,418	23,700	246,074	238,211
201	Meat products	5,796	5,677	5,819	5,814	+2.1	-2.4	+0.1	6,074	5,944	6,046	5,628	58,389	55,367
208	Beverages	3,376	3,561	3,645	3,780	-5.2	-2.3	-3.6	3,555	3,575	3,882	3,965	36,373	35,378
207	Fats and oils	1,130	1,144	1,235	1,329	-1.2	-7.4	-7.1	1,139	1,168	1,203	1,235	13,108	13,595
203-6,9	All other foods	10,953	10,771	10,384	11,202	+1.7	+3.7	-7.3	11,325	12,020	10,134	9,779	106,054	102,050
21	Tobacco products	1,335	1,470	1,444	1,295	-9.2	+1.8	+11.5	1,379	1,571	1,494	1,291	13,858	12,281
22	Textile mill products	4,501	4,623	4,588	4,520	-2.6	+0.8	+1.5	4,685	4,936	4,730	3,856	46,817	43,249
26	Paper and allied products	8,097	7,955	7,995	8,201	+1.8	-0.5	-2.5	8,212	8,170	8,167	7,706	80,426	70,725
261-3,6	Pulp, paper etc.	3,467	3,414	3,496	3,545	+1.6	-2.3	-1.4	3,467	3,467	3,512	3,307	34,773	30,044
265	Paperboard containers	1,880	1,790	1,853	1,863	+5.0	-3.4	-0.5	1,979	1,860	1,886	1,748	18,247	15,862
264	All other paper products	2,750	2,751	2,646	2,793	0.0	+4.0	-5.3	2,766	2,843	2,769	2,651	27,406	24,819
28	Chemicals and allied products	17,517	17,446	18,048	18,172	+0.4	-3.3	-0.7	16,742	18,207	17,359	16,487	177,315	157,446
281,6	Industrial chemicals, except pigments	5,835	5,688	5,932	5,837	+2.6	-4.1	+1.6	5,543	5,773	5,736	5,435	57,261	48,708
283,4	Drugs, soaps, and toiletries	4,490	4,403	4,629	4,522	+2.0	-4.9	+2.4	4,499	5,204	4,550	4,074	44,668	41,792
29	Petroleum and coal products	16,238	17,227	16,362	16,537	-5.7	+5.3	-1.1	16,337	17,328	16,469	16,471	165,011	159,055
30	Rubber and plastics products	4,215	4,403	4,304	4,407	-4.3	+2.3	-2.3	4,473	4,561	4,445	4,194	44,060	41,925
23,27, 31	All other nondurable goods	13,857	13,755	13,975	13,934	+0.7	-1.6	+0.3	15,129	14,852	14,700	13,447	137,782	127,574
	Market categories:													
	Home goods and apparel	12,813	12,736	12,877	13,116	+0.6	-1.1	-1.8	14,242	14,323	14,024	12,082	131,328	120,858
	Consumer staples	33,781	33,483	33,658	34,295	+0.9	-0.5	-1.9	34,902	36,081	33,737	32,320	335,344	317,331
	Equipment and defense products, except automotive	28,611	29,795	28,244	27,841	-4.0	+5.5	+1.4	28,611	31,192	26,756	25,201	275,657	241,219
	Automotive equipment	17,749	16,885	19,267	17,719	+5.1	-12.4	+8.7	19,541	17,244	16,913	14,799	181,225	142,547
	Construction materials, supplies and intermediate products	15,067	14,858	14,887	14,542	+1.4	-0.2	+2.4	15,931	15,896	15,710	14,403	147,052	130,942
	Other materials, supplies, and intermediate products	82,021	82,394	83,073	83,145	-0.5	-0.8	-0.1	82,660	84,486	81,506	76,802	824,771	735,167
	Supplementary series:[2]													
	Capital goods industries	32,710	33,875	32,177	31,852	-3.4	+5.3	+1.0	32,687	35,453	30,301	28,815	314,431	274,111
	Nondefense	26,438	27,739	26,048	25,859	-4.7	+6.5	+0.7	26,401	29,065	24,475	23,189	255,475	220,828
	Defense	6,272	6,136	6,129	5,993	+2.2	+0.1	+2.3	6,286	6,388	5,826	5,626	58,956	53,283
	Household durable goods industries	6,508	6,214	6,264	6,424	+4.7	-0.8	-2.5	7,110	7,083	6,567	5,591	62,619	53,567

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	Sept.-Oct.P	Aug.-Sept.r	July-Aug.	Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	1984P	1983
	All manufacturing industries	185,076	189,817	192,578	194,037	-2.5	-1.4	-0.8	192,460	197,613	187,247	177,480	1,918,453	1,713,258
	Manufacturing industries with unfilled orders	97,758	101,839	103,003	104,512	-4.0	-1.1	-1.4	102,293	105,805	98,971	93,692	1,025,953	890,515
	Durable goods industries	95,214	98,676	102,015	101,704	-3.5	-3.3	+0.3	100,639	102,182	95,892	90,211	1,007,622	860,941
	With unfilled orders	77,167	81,308	82,641	83,639	-5.1	-1.6	-1.2	80,915	84,335	78,314	74,299	821,798	706,310
32	Stone, clay, and glass products	4,718	4,493	4,815	4,596	+5.0	-6.7	+4.8	5,026	4,852	5,016	4,577	46,736	41,380
33	Primary metals	10,535	10,281	11,245	11,183	+2.5	-8.6	+0.6	10,411	10,076	10,771	10,077	111,841	100,708
331	Blast furnaces, steel mills	4,622	4,074	4,714	4,576	+13.5	-13.6	+3.0	4,470	3,909	4,460	4,104	46,207	42,003
333-9	Nonferrous and other primary metals	4,762	4,937	5,197	5,203	-3.5	-5.0	-0.1	4,695	4,951	5,014	4,691	52,288	48,561
34	Fabricated metal products	11,769	11,878	12,034	11,024	-0.9	-1.3	+9.2	12,071	12,369	11,900	10,229	115,015	99,284
35	Machinery, except electrical	16,783	18,049	17,549	18,149	-7.0	+2.8	-3.3	17,232	18,425	15,956	15,991	176,383	147,256
351	Engines and turbines	725	1,292	1,268	2,126	-43.9	+1.9	-40.4	1,172	1,325	1,232	1,992	12,940	9,824
353	Construction, mining, and material handling equipment	2,853	2,895	2,452	2,901	-1.5	+18.1	-15.5	2,827	2,930	2,276	2,806	27,608	23,148
354	Metalworking machinery	809	1,116	960	1,193	-27.5	+16.3	-19.5	893	1,091	955	1,122	9,364	6,605
356	General industrial machinery	1,352	1,399	1,484	1,399	-3.4	-5.7	+6.1	1,429	1,371	1,435	1,303	14,003	12,136
357	Office and computing machines	4,371	4,763	4,640	3,818	-8.2	+2.7	+21.5	3,978	5,072	3,749	2,756	43,816	37,768
36	Electrical machinery	14,337	16,792	16,403	16,267	-14.6	+2.4	+0.8	14,622	17,130	16,167	14,359	161,077	135,874
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,077	2,110	2,126	1,992	-1.6	-0.8	+6.7	2,039	2,214	2,051	1,725	20,371	17,998
363	Household appliances	1,339	1,401	1,385	1,497	-4.4	+1.2	-7.5	1,350	1,497	1,450	1,453	14,536	12,732
365	Radio and TV	776	843	1,019	877	-7.9	-17.3	+16.2	622	917	1,246	726	8,691	7,001
366	Communication equipment	4,579	5,907	6,088	4,997	-22.5	-3.0	+21.8	4,864	6,073	5,873	4,236	52,292	42,155
367	Electronic components	3,060	3,954	3,383	4,348	-22.6	+16.9	-22.2	3,002	3,685	3,189	3,977	40,408	34,143
37	Transportation equipment	21,830	22,113	25,096	25,267	-1.3	-11.9	-0.7	25,271	23,544	20,646	20,802	245,893	202,757
372,6	Aircraft, missiles, and parts	5,173	6,720	6,962	8,259	-23.0	-3.5	-15.7	6,749	7,471	4,983	6,891	72,153	63,574
3731,95	Shipbuilding and military tank vehicles	494	194	357	598	+154.6	-45.7	-40.3	549	634	355	225	6,209	7,393
38	Instruments and related products	4,732	4,857	4,907	4,919	-2.6	-1.0	-0.2	4,836	5,130	4,809	4,411	47,369	41,619
24,25, 39	All other durable goods	10,510	10,213	9,966	10,299	+2.9	+2.5	-3.2	11,170	10,656	10,627	9,765	103,308	92,063
	Nondurable goods industries	89,862	91,141	90,563	92,333	-1.4	+0.6	-1.9	91,821	95,431	91,355	87,269	910,831	852,317
	With unfilled orders	20,591	20,531	20,362	20,873	+0.3	+0.8	-2.4	21,378	21,470	20,657	19,393	204,155	184,205
	Market categories:													
	Home goods and apparel	12,544	12,741	12,896	13,159	-1.5	-1.2	-2.0	13,472	13,904	14,215	12;299	131,769	121,721
	Consumer staples	33,818	33,479	33,691	34,271	+1.0	-0.6	-1.7	34,902	36,112	33,798	32,333	335,366	317,297
	Equipment and defense products, except automotive	27,151	30,050	30,375	29,857	-9.6	-1.1	+1.7	29,134	31,978	26,705	25,529	293,975	249,449
	Automotive equipment	17,319	16,422	18,945	17,694	+5.5	-13.3	+7.1	19,287	16,791	16,644	14,948	180,120	144,229
	Construction materials, supplies and intermediate products	15,342	14,858	15,144	14,384	+3.3	-1.9	+5.3	15,987	15,869	15,806	14,283	147,998	130,815
	Other materials, supplies, and intermediate products	78,902	82,267	81,527	84,672	-4.1	+0.9	-3.7	79,678	82,959	80,079	78,088	829,225	749,747
	Supplementary series:[2]													
	Capital goods industries	29,827	34,421	34,083	34,863	-13.3	+1.0	-2.2	32,326	36,428	30,293	29,901	335,515	284,628
	Nondefense	25,250	27,835	26,499	27,648	-9.3	+5.0	-4.2	26,247	28,299	24,551	24,712	267,830	222,135
	Defense	4,577	6,586	7,584	7,215	-30.5	-13.2	+5.1	6,079	8,129	5,742	5,189	67,685	62,493
	Household durable goods industries	6,320	6,250	6,310	6,452	+1.1	-1.0	-2.2	6,421	6,709	6,833	5,773	63,154	54,379

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	Sept.-Oct.P	Aug.-Sept.r	July-Aug.	Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	Oct. 1983
	All manufacturing industries..	354,263	359,232	359,564	358,990	-1.4	-0.1	+0.2	351,032	354,460	356,071	357,473	319,340
	Durable goods industries.....	344,136	348,782	349,048	348,065	-1.3	-0.1	+0.3	341,018	344,063	345,519	346,493	308,608
32	Stone, clay, and glass products...	2,415	2,427	2,459	2,363	-0.5	-1.3	+4.1	2,356	2,397	2,475	2,441	2,000
33	Primary metals.....	19,466	20,038	20,333	20,696	-2.9	-1.5	-1.8	18,606	19,312	20,029	20,441	19,096
331	Blast furnaces, steel mills.....	8,336	8,484	8,942	9,076	-1.7	-5.1	-1.5	7,969	8,145	8,745	8,949	9,269
333-9	Nonferrous and other primary metals.....	7,956	8,270	8,120	8,298	-3.8	+1.8	-2.1	7,511	7,972	8,039	8,207	7,416
34	Fabricated metal products.....	21,822	21,629	21,187	20,709	+0.9	+2.1	+2.3	21,647	21,741	21,332	21,044	20,482
35	Machinery, except electrical.....	62,769	63,821	64,191	63,949	-1.6	-0.6	+0.4	62,133	62,740	63,519	63,814	57,598
351	Engines and turbines.....	14,937	15,382	15,449	15,289	-2.9	-0.4	+1.0	15,301	15,265	15,341	15,145	14,914
353	Construction, mining, and materiel handling equipment....	6,148	6,167	6,155	6,277	-0.3	+0.2	-1.9	6,056	6,075	6,093	6,284	5,612
354	Metalworking machinery.....	3,358	3,494	3,320	3,200	-3.9	+5.2	+3.8	3,402	3,504	3,403	3,223	2,430
356	General industrial machinery....	4,724	4,801	4,836	4,809	-1.6	-0.7	+0.6	4,691	4,763	4,851	4,843	4,719
357	Office and computing machines...	22,038	22,171	22,366	22,313	-0.6	-0.9	+0.2	21,244	21,594	21,985	22,580	19,553
36	Electrical machinery.....	80,664	81,300	80,239	79,254	-0.8	+1.3	+1.2	79,995	80,829	80,379	79,188	67,856
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,181	6,140	6,268	6,149	+0.7	-2.0	+1.9	6,149	6,123	6,276	6,174	6,738
363	Household appliances.....	414	441	464	527	-6.1	-5.0	-12.0	377	452	511	572	441
365	Radio and TV.....	727	757	746	607	-4.0	+1.5	+22.9	663	975	1,056	656	340
366	Communication equipment.....	50,246	50,156	48,993	47,576	+0.2	+2.4	+3.0	49,967	49,636	48,399	46,967	41,352
367	Electronic components.....	21,608	22,329	22,348	22,904	-3.2	-0.1	-2.4	21,348	22,150	22,661	23,317	17,597
37	Transportation equipment.....	143,135	145,599	146,824	147,224	-1.7	-0.8	-0.3	142,603	143,097	143,472	145,225	128,651
372,6	Aircraft, missiles, and parts...	115,108	116,774	116,810	116,329	-1.4	0.0	+0.4	114,900	114,821	114,421	115,383	99,305
3731,95	Shipbuilding and military tank vehicles.....	20,680	21,080	21,757	22,287	-1.9	-3.1	-2.4	20,329	20,668	20,931	21,408	21,831
38	Instruments and related products..	8,370	8,302	8,282	8,122	+0.8	+0.2	+2.0	8,296	8,271	8,311	8,169	7,668
24,25, 39	All other durable goods.....	5,495	5,666	5,533	5,748	-3.0	+2.4	-3.7	5,382	5,676	6,002	6,171	5,257
	Nondurable goods industries.....	10,127	10,450	10,516	10,925	-3.1	-0.6	-3.7	10,014	10,397	10,552	10,980	10,732
	Market categories:												
	Home goods and apparel.....	4,385	4,656	4,650	4,631	-5.8	+0.1	+0.4	4,154	4,926	5,343	5,155	3,870
	Consumer staples.....	713	675	679	646	+5.6	-0.6	+5.1	722	722	691	630	731
	Equipment and defense products, except automotive.....	216,883	218,346	218,093	215,960	-0.7	+0.1	+1.0	215,212	214,687	213,899	213,952	191,248
	Automotive equipment.....	6,648	7,077	7,540	7,863	-6.1	-6.1	-4.1	6,674	6,928	7,381	7,650	7,033
	Construction materials, supplies and intermediate products.....	12,936	12,661	12,660	12,403	+2.2	0.0	+2.1	12,797	12,741	12,768	12,672	12,320
	Other materials, supplies, and intermediate products.....	112,698	115,817	115,942	117,487	-2.7	-0.1	-1.3	111,473	114,456	115,989	117,414	104,138
	Supplementary series:[2]												
	Capital goods industries.....	259,391	262,274	261,729	259,820	-1.1	+0.2	+0.7	258,001	258,360	257,387	257,395	230,211
	Nondefense.....	135,863	137,051	136,955	136,501	-0.9	+0.1	+0.3	135,468	135,619	136,385	136,309	123,585
	Defense.....	123,528	125,223	124,774	123,319	-1.4	+0.4	+1.2	122,533	122,741	121,002	121,086	106,626
	Household durable goods industries.....	3,962	4,152	4,115	4,069	-4.6	+0.9	+1.1	3,737	4,428	4,801	4,537	3,407

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1984p	Sept. 1984r	Aug. 1984	July 1984	Sept.-Oct.p	Aug.-Sept.r	July-Aug.	Oct. 1984p	Sept. 1984r	Aug. 1984	July 1984	Oct. 1983
	All manufacturing industries..	286,585	285,372	283,525	280,019	+0.4	+0.7	+1.3	285,614	283,371	282,950	279,512	258,831
	Manufacturing industries with unfilled orders.....	198,700	197,238	195,424	192,560	+0.7	+0.9	+1.5	197,406	195,905	195,885	193,332	176,002
	Durable goods industries.....	190,564	188,915	187,142	184,559	+0.9	+0.9	+1.4	189,555	187,726	187,320	184,547	169,331
	With unfilled orders.....	174,825	173,324	171,846	169,297	+0.9	+0.9	+1.5	174,052	172,337	172,066	169,552	154,970
32	Stone, clay, and glass products...	5,907	5,959	5,923	5,878	-0.9	+0.6	+0.8	5,696	5,774	5,864	5,894	5,486
322	Glass containers.....	643	646	626	623	-0.5	+3.2	+0.5	634	633	630	637	610
33	Primary metals.....	20,991	21,397	21,302	21,158	-1.9	+0.4	+0.7	20,898	21,208	21,214	21,105	19,569
331	Blast furnaces, steel mills.....	9,763	10,051	10,024	9,957	-2.9	+0.3	+0.7	9,860	10,061	10,074	9,997	9,447
333-9	Nonferrous and other primary metals.....	9,971	10,097	10,002	9,900	-1.2	+0.9	+1.0	9,802	9,915	9,892	9,841	8,948
34	Fabricated metal products.....	18,879	18,785	18,326	18,394	+0.5	+2.5	-0.4	18,533	18,456	18,323	18,492	17,028
341	Metal cans, barrels, and drums..	1,978	2,073	1,818	1,940	-4.6	+14.0	-6.3	1,725	1,801	1,763	2,059	1,585
35	Machinery, except electrical.....	40,503	39,926	40,070	39,060	+1.4	-0.4	+2.6	40,246	39,669	40,006	39,174	36,798
351	Engines and turbines.....	2,327	2,290	2,407	2,334	+1.6	-4.9	+3.1	2,329	2,245	2,364	2,310	2,124
352	Farm machinery and equipment....	1,971	2,015	1,989	1,858	-2.2	+1.3	+7.1	1,857	1,967	1,969	1,847	1,885
353	Construction, mining, and material handling equipment....	7,036	7,006	7,019	6,802	+0.4	-0.2	+3.2	6,958	6,901	6,977	6,823	7,354
354	Metalworking machinery.....	2,403	2,414	2,421	2,345	-0.5	-0.3	+3.2	2,415	2,395	2,426	2,369	2,246
356	General industrial machinery....	3,452	3,497	3,550	3,566	-1.3	-1.5	-0.4	3,397	3,466	3,522	3,570	3,590
357	Office and computing machines...	12,196	11,679	11,746	11,489	+4.4	-0.6	+2.2	12,257	11,749	11,911	11,638	9,835
36	Electrical machinery.....	32,573	31,852	31,397	30,824	+2.3	+1.4	+1.9	32,416	31,628	31,483	30,955	27,241
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,494	4,447	4,483	4,417	+1.1	-0.8	+1.5	4,533	4,435	4,480	4,425	4,099
363	Household appliances.....	2,606	2,498	2,402	2,357	+4.3	+4.0	+1.9	2,489	2,361	2,358	2,378	1,757
365	Radio and TV.....	1,400	1,317	1,262	1,228	+6.3	+4.4	+2.8	1,372	1,337	1,333	1,286	971
366	Communication equipment.....	12,989	12,637	12,379	12,207	+2.8	+2.1	+1.4	13,001	12,565	12,379	12,199	10,927
367	Electronic components.....	6,390	6,324	6,312	6,148	+1.0	+0.2	+2.7	6,378	6,305	6,319	6,191	5,492
37	Transportation equipment.....	47,242	46,731	45,895	45,093	+1.1	+1.8	+1.8	47,552	46,745	46,068	44,641	40,132
371	Motor vehicles and parts.....	10,951	10,684	10,523	10,565	+2.5	+1.5	-0.4	11,232	10,897	10,675	10,042	8,946
372,6	Aircraft, missiles, and parts...	33,101	32,876	32,291	31,485	+0.7	+1.8	+2.6	33,131	32,710	32,390	31,652	28,277
3731,95	Shipbuilding and military tank vehicles.....	1,378	1,415	1,339	1,324	-2.6	+5.7	+1.1	1,389	1,416	1,329	1,326	1,447
38	Instruments and related products..	9,587	9,466	9,526	9,483	+1.3	-0.6	+0.5	9,467	9,415	9,556	9,549	8,842
381-4	Scientific and engineering instruments.....	6,973	6,818	6,803	6,773	+2.3	+0.2	+0.4	6,882	6,770	6,790	6,807	6,301
386	Photographic goods.....	2,043	2,070	2,143	2,140	-1.3	-3.4	+0.1	2,028	2,070	2,184	2,164	2,051
24,25, 39	All other durable goods.....	14,882	14,799	14,703	14,669	+0.6	+0.7	+0.2	14,747	14,831	14,806	14,737	14,235
	Nondurable goods industries.....	96,021	96,457	96,383	95,460	-0.5	+0.1	+1.0	96,059	95,645	95,630	94,965	89,500
	With unfilled orders.....	23,875	23,914	23,578	23,263	-0.2	+1.4	+1.4	23,354	23,568	23,819	23,780	21,032
20	Food and kindred products.....	21,109	21,582	22,285	22,039	-2.2	-3.2	+1.1	22,371	21,890	21,751	21,043	22,014
201	Meat products.....	2,230	2,232	2,295	2,345	-0.1	-2.7	-2.1	2,245	2,131	2,178	2,270	1,995
208	Beverages.....	3,390	3,510	3,590	3,560	-3.4	-2.2	+0.8	3,400	3,433	3,396	3,411	3,294
207	Fats and oils.....	1,114	1,288	1,412	1,471	-13.5	-8.8	-4.0	1,156	989	1,148	1,271	2,108
203-6,9	All other foods.....	12,534	12,726	13,164	12,833	-1.5	-3.3	+2.6	13,737	13,528	13,177	12,217	12,900
21	Tobacco products.....	3,637	3,573	3,470	3,501	+1.8	+3.0	-0.9	3,684	3,509	3,234	3,207	4,174
22	Textile mill products.....	7,338	7,349	7,400	7,367	-0.1	-0.7	+0.4	7,056	7,161	7,344	7,377	6,704
26	Paper and allied products.....	9,643	9,599	9,425	9,353	+0.5	+1.8	+0.8	9,480	9,376	9,390	9,431	8,500
261-3,6	Pulp, paper etc.....	3,555	3,549	3,471	3,480	+0.2	+2.2	-0.3	3,525	3,480	3,480	3,473	3,249
265	Paperboard containers.....	2,641	2,633	2,559	2,531	+0.3	+2.9	+1.1	2,575	2,588	2,569	2,592	2,194
264	All other paper products.....	3,447	3,417	3,395	3,342	+0.9	+0.6	+1.6	3,380	3,308	3,341	3,366	3,057
28	Chemicals and allied products.....	22,526	22,695	22,118	21,758	-0.7	+2.6	+1.7	22,168	22,092	21,911	21,672	19,335
281,6	Industrial chemicals, except pigments.....	7,098	7,287	7,135	6,958	-2.6	+2.1	+2.5	6,992	7,126	7,092	6,972	5,793
283,4	Drugs, soaps, and toiletries....	7,088	7,141	6,825	6,748	-0.7	+4.6	+1.1	7,010	6,977	6,825	6,782	6,264
29	Petroleum and coal products.....	9,001	8,819	8,889	8,858	+2.1	-0.8	+0.3	9,131	8,992	8,944	8,915	8,800
30	Rubber and plastics products.....	6,139	6,186	6,329	6,251	-0.8	-2.3	+1.2	5,976	6,000	6,147	6,212	5,579
23,27, 31	All other nondurable goods.....	16,628	16,654	16,467	16,333	-0.2	+1.1	+0.8	16,193	16,625	16,909	17,108	14,394
	Market categories:												
	Home goods and apparel.....	23,134	22,927	22,738	22,655	+0.9	+0.8	+0.4	22,431	22,690	23,044	23,294	20,036
	Consumer staples.....	34,148	34,448	34,506	34,089	-0.9	-0.2	+1.2	35,285	34,848	34,074	33,120	33,225
	Equipment and defense products, except automotive.....	83,302	81,778	81,117	79,224	+1.9	+0.8	+2.4	83,003	81,141	81,052	79,398	73,010
	Automotive equipment.....	13,412	13,088	12,936	12,889	+2.5	+1.2	+0.4	13,587	13,213	12,965	12,255	10,907
	Construction materials, supplies and intermediate products.....	19,848	19,755	19,657	19,717	+0.5	+0.5	-0.3	19,533	19,474	19,544	19,692	18,901
	Other materials, supplies, and intermediate products.....	112,741	113,376	112,571	111,445	-0.6	+0.7	+1.0	111,775	112,005	112,271	111,753	102,752
	Supplementary series:[2]												
	Capital goods industries.....	94,551	93,187	92,358	90,369	+1.5	+0.9	+2.2	94,399	92,651	92,450	90,692	83,013
	Nondefense.....	71,904	70,981	71,095	69,593	+1.3	-0.2	+2.2	72,131	70,723	71,107	69,674	65,921
	Defense.....	22,647	22,206	21,263	20,776	+2.0	+4.4	+2.3	22,268	21,928	21,343	21,018	17,092
	Household durable goods industries.....	11,476	11,275	11,084	10,971	+1.8	+1.7	+1.0	11,199	11,155	11,250	11,160	9,683

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	Sept.-Oct.P	Aug.-Sept.r	July-Aug.	Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	Oct. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	94,050	94,311	93,732	92,957	-0.3	+0.6	+0.8	93,570	93,435	93,246	92,939	86,290
	Durable goods industries.....	56,562	56,578	56,089	55,339	0.0	+0.9	+1.4	56,582	56,546	56,304	55,478	50,993
32	Stone, clay, and glass products...	1,959	1,980	1,988	1,952	-1.1	-0.4	+1.8	1,941	1,969	1,978	1,952	1,886
33	Primary metals.....	6,927	7,008	6,922	6,790	-1.2	+1.2	+1.9	6,982	7,025	6,902	6,724	6,544
34	Fabricated metal products.....	7,391	7,396	7,309	7,342	-0.1	+1.2	-0.4	7,296	7,362	7,327	7,399	6,732
35	Machinery, except electrical.....	11,597	12,063	11,876	11,695	-3.9	+1.6	+1.5	11,633	11,922	11,821	11,737	10,419
36	Electrical Machinery.....	8,605	8,544	8,479	8,336	+0.7	+0.8	+1.7	8,541	8,523	8,554	8,479	7,472
37	Transportation equipment.....	11,821	11,310	11,225	10,967	+4.5	+0.8	+2.4	11,794	11,328	11,367	10,908	9,812
38	Instruments and related products..	2,777	2,754	2,843	2,831	+0.8	-3.1	+0.4	2,760	2,772	2,833	2,830	2,555
24,25, 39	All other durable goods.....	5,485	5,523	5,447	5,426	-0.7	+1.4	+0.4	5,635	5,645	5,522	5,449	5,573
	Nondurable goods industries.....	37,488	37,733	37,643	37,618	-0.6	+0.2	+0.1	36,988	36,889	36,942	37,461	35,297
20	Food and kindred products.....	7,930	7,884	7,984	8,022	+0.6	-1.3	-0.5	8,017	7,442	7,488	7,736	8,238
21	Tobacco products.....	3,111	3,114	3,041	3,019	-0.1	+2.4	+0.7	2,995	2,979	2,835	2,806	3,579
22	Textile mill products.....	2,279	2,286	2,287	2,316	-0.3	0.0	-1.3	2,122	2,188	2,254	2,346	2,048
26	Paper and allied products.....	4,892	4,918	4,837	4,837	-0.5	+1.7	0.0	4,874	4,896	4,847	4,889	4,337
28	Chemicals and allied products.....	8,497	8,353	8,410	8,281	+1.7	-0.7	+1.6	8,337	8,303	8,403	8,344	7,293
29	Petroleum and coal products.....	2,128	2,279	2,183	2,316	-6.6	+4.4	-5.7	2,144	2,217	2,149	2,303	2,142
30	Rubber and plastics products.....	1,977	2,205	2,247	2,244	-10.3	-1.9	+0.1	1,975	2,161	2,180	2,267	2,072
23,27, 31	All other nondurable goods.....	6,674	6,694	6,654	6,583	-0.3	+0.6	+1.1	6,524	6,703	6,786	6,770	5,588
	WORK IN PROCESS												
	All manufacturing industries..	103,106	101,890	101,273	99,803	+1.2	+0.6	+1.5	103,321	101,758	101,693	99,567	91,593
	Durable goods industries.....	87,898	86,916	86,034	84,765	+1.1	+1.0	+1.5	87,962	86,692	86,365	84,538	76,836
32	Stone, clay, and glass products...	805	786	787	774	+2.4	-0.1	+1.7	754	762	774	766	738
33	Primary metals.....	8,017	8,202	8,285	8,338	-2.3	-1.0	-0.6	8,015	8,198	8,393	8,416	7,465
34	Fabricated metal products.....	6,835	6,747	6,506	6,549	+1.3	+3.7	-0.7	6,741	6,657	6,523	6,640	5,956
35	Machinery, except electrical.....	16,522	16,143	16,430	16,050	+2.3	-1.7	+2.4	16,489	16,082	16,452	15,900	15,326
36	Electrical Machinery.....	17,624	17,207	16,784	16,349	+2.4	+2.5	+2.7	17,616	17,080	16,832	16,385	14,526
37	Transportation equipment.....	30,391	30,325	29,745	29,165	+0.2	+1.9	+2.0	30,714	30,404	29,822	28,833	25,597
38	Instruments and related products..	4,072	3,996	3,963	3,984	+1.9	+0.8	-0.5	4,032	3,958	3,991	4,009	3,840
24,25, 39	All other durable goods.....	3,632	3,510	3,534	3,556	+3.5	-0.7	-0.6	3,601	3,551	3,578	3,589	3,388
	Nondurable goods industries.....	15,208	14,974	15,239	15,038	+1.6	-1.7	+1.3	15,359	15,066	15,328	15,029	14,757
20	Food and kindred products.....	1,753	1,775	1,881	1,776	-1.2	-5.6	+5.9	1,751	1,745	1,779	1,709	1,713
21	Tobacco products.....	274	199	193	255	+37.7	+3.1	-24.3	438	289	179	184	318
22	Textile mill products.....	2,097	2,111	2,240	2,159	-0.7	-5.8	+3.8	2,087	2,104	2,239	2,133	2,232
26	Paper and allied products.....	1,158	1,124	1,084	1,106	+3.0	+3.7	-2.0	1,141	1,131	1,114	1,112	1,079
28	Chemicals and allied products.....	3,747	3,803	3,768	3,697	-1.5	+0.9	+1.9	3,752	3,777	3,765	3,688	3,412
29	Petroleum and coal products.....	1,648	1,548	1,622	1,545	+6.5	-4.6	+5.0	1,644	1,547	1,642	1,573	1,735
30	Rubber and plastics products.....	1,232	1,119	1,148	1,147	+10.1	-2.5	+0.1	1,231	1,128	1,148	1,142	1,009
23,27, 31	All other nondurable goods.....	3,299	3,295	3,303	3,353	+0.1	-0.2	-1.5	3,315	3,345	3,462	3,488	3,259
	FINISHED GOODS												
	All manufacturing industries..	89,429	89,171	88,520	87,259	+0.3	+0.7	+1.4	88,723	88,178	88,011	87,006	80,948
	Durable goods industries.....	46,104	45,421	45,019	44,455	+1.5	+0.9	+1.3	45,011	44,488	44,651	44,531	41,502
32	Stone, clay, and glass products...	3,143	3,193	3,148	3,152	-1.6	+1.4	-0.1	3,001	3,043	3,112	3,176	2,862
33	Primary metals.....	6,047	6,187	6,095	6,030	-2.3	+1.5	+1.1	5,901	5,985	5,919	5,965	5,560
34	Fabricated metal products.....	4,653	4,642	4,511	4,503	+0.2	+2.9	+0.2	4,496	4,437	4,473	4,453	4,340
35	Machinery, except electrical.....	12,384	11,720	11,764	11,315	+5.7	-0.4	+4.0	12,124	11,665	11,733	11,537	11,053
36	Electrical Machinery.....	6,344	6,101	6,134	6,139	+4.0	-0.5	-0.1	6,259	6,025	6,097	6,091	5,243
37	Transportation equipment.....	5,030	5,096	4,925	4,961	-1.3	+3.5	-0.7	5,044	5,013	4,879	4,900	4,723
38	Instruments and related products..	2,738	2,716	2,720	2,668	+0.8	-0.1	+1.9	2,675	2,685	2,732	2,710	2,447
24,25, 39	All other durable goods.....	5,765	5,766	5,722	5,687	0.0	+0.8	+0.6	5,511	5,635	5,706	5,699	5,274
	Nondurable goods industries.....	43,325	43,750	43,501	42,804	-1.0	+0.6	+1.6	43,712	43,690	43,360	42,475	39,446
20	Food and kindred products.....	11,426	11,923	12,420	12,241	-4.2	-4.0	+1.5	12,603	12,703	12,484	11,598	12,063
21	Tobacco products.....	252	260	236	227	-3.1	+10.2	+4.0	251	241	220	217	277
22	Textile mill products.....	2,962	2,952	2,873	2,892	+0.3	+2.7	-0.7	2,847	2,869	2,851	2,898	2,424
26	Paper and allied products.....	3,593	3,557	3,504	3,410	+1.0	+1.5	+2.8	3,465	3,349	3,429	3,430	3,084
28	Chemicals and allied products.....	10,282	10,539	9,940	9,780	-2.4	+6.0	+1.6	10,079	10,012	9,743	9,640	8,630
29	Petroleum and coal products.....	5,225	4,992	5,084	4,997	+4.7	-1.8	+1.7	5,343	5,228	5,153	5,039	4,923
30	Rubber and plastics products.....	2,930	2,862	2,934	2,860	+2.4	-2.5	+2.6	2,770	2,711	2,819	2,803	2,498
23,27, 31	All other nondurable goods.....	6,655	6,665	6,510	6,397	-0.2	+2.4	+1.8	6,354	6,577	6,661	6,850	5,547

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984	Oct. 1984P	Sept. 1984r	Aug. 1984	July 1984
	All manufacturing industries	1.51	1.50	1.48	1.47	3.45	3.52	3.51	3.55
	Durable goods industries	1.91	1.91	1.85	1.88	4.21	4.28	4.27	4.33
32	Stone, clay, and glass products	1.25	1.32	1.26	1.28	0.56	0.59	0.57	0.57
33	Primary metals	1.89	2.02	1.84	1.86	1.75	1.89	1.75	1.82
34	Fabricated metal products	1.63	1.64	1.59	1.61	2.04	2.05	2.00	1.98
35	Machinery, except electrical	2.27	2.17	2.32	2.26	3.73	3.63	3.88	3.87
36	Electrical machinery	2.18	2.02	2.04	2.02	5.39	5.17	5.20	5.21
37	Transportation equipment	1.94	2.00	1.80	1.91	10.62	11.27	11.22	11.84
38	Instruments and related products	2.06	1.96	2.01	1.94	1.80	1.72	1.75	1.66
	Nondurable goods industries	1.06	1.06	1.06	1.03	0.48	0.51	0.51	0.53
20	Food and kindred products	0.86	0.89	0.92	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.72	2.43	2.40	2.70	(X)	(X)	(X)	(X)
22	Textile mill products	1.63	1.59	1.61	1.63	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.19	1.21	1.18	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.29	1.30	1.23	1.20	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.55	0.51	0.54	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.46	1.40	1.47	1.42	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Oct. 1983	All Octs. 1979-1983	Oct. 1983-Sept. 1984	Year ago Oct. 1983	All Octs. 1979-1983	Oct. 1983-Sept. 1984	Year ago Oct. 1983	All Octs. 1979-1983	Oct. 1983-Sept. 1984	Year ago Oct. 1983	All Octs. 1979-1983	Oct. 1983-Sept. 1984
	All manufacturing industries.	0.2	0.2	0.3	0.2	0.2	0.4	0.2	0.1	0.1	0.2	0.1	0.1
	Durable goods industries	0.4	0.3	0.3	0.5	0.6	0.6	0.3	0.2	0.2	0.1	0.2	0.1
32	Stone, clay, and glass products..	1.1	1.2	0.8	0.9	1.6	1.0	0.3	1.6	1.2	0.1	1.3	0.5
33	Primary metals	0.2	0.3	0.6	0.1	0.7	1.7	0.0	0.2	0.7	0.8	0.2	0.2
34	Fabricated metal products	0.4	0.5	0.8	0.2	0.8	0.9	0.1	0.3	0.3	0.1	0.3	0.3
35	Machinery, except electrical	1.0	0.6	0.6	1.5	0.6	1.1	0.2	0.1	0.3	0.4	0.5	0.1
36	Electrical machinery	0.0	0.4	0.7	0.1	0.4	0.8	0.0	0.1	0.2	0.1	0.1	0.2
37	Transportation equipment	0.2	0.7	0.6	4.2	2.0	1.4	0.7	0.3	0.2	0.2	0.2	0.2
38	Instruments and related products.	0.0	0.7	1.0	0.5	0.9	1.2	0.3	0.3	0.5	0.2	0.4	0.4
	Nondurable goods industries	0.1	0.3	0.3	0.0	0.2	0.3	0.8	0.5	0.3	0.5	0.2	0.2
20	Food and kindred products	0.4	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.5	0.5
21	Tobacco products	0.0	2.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.3
22	Textile mill products	0.4	0.9	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.6	1.6	0.5
26	Paper and allied products	0.7	0.8	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.3
28	Chemicals and allied products	1.7	1.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.2	0.5
29	Petroleum and coal products	1.2	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.5
30	Rubber and plastics products	1.0	1.3	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.6	0.3
	Capital Goods Industries:												
	Nondefense	0.3	0.6	0.5	2.1	1.0	0.9	0.5	0.2	0.2	0.2	0.2	0.1
	Defense	0.2	0.8	0.8	2.4	4.8	2.2	0.1	0.5	0.1	0.2	0.1	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Usa, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

CURRENT INDUSTRIAL REPORTS

3.158:
M 3-1 (84)
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
MAR 1 1 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

NOVEMBER 1984
M3-1(84)-11
For Wire Transmission 10:00 A.M. E.S.T. Thursday, January 3, 1985

(All figures in text are in seasonally adjusted current dollars)

MMARY. New orders for manufactured goods in November creased $8.0 billion or 4.3 percent to $193.8 llion. This is the largest one month increase since 4.6 percent gain in June 1983. About two-thirds of e November increase resulted from the placement of lers for defense capital goods. Excluding defense, nufacturers' orders were up 1.7 percent, the first crease since July.

Shipments of manufactured goods increased $1.6 llion or 0.9 percent to $192.2 billion, the largest nce a 1.1 percent increase in May. The durable goods ctor accounted for most of the increase, up 1.3 rcent as nondurables were up 0.4 percent.

filled orders held by manufacturers increased $1.7 llion or 0.5 percent to $356.2 billion. Without the crease in defense capital goods of $3.5 billion, filled orders declined 0.8 percent, the fourth nsecutive decline since a 0.9 percent increase in ly.

The book value of manufacturers' inventories clined in November $0.9 billion or 0.3 percent to 35.5 billion. This is the first decline in ventories since a 0.2 percent decrease in June 1983. tween June 1983 and August 1984 manufacturers creased the value of their inventories by 10 percent, 0.7 percent per month, but in September the rate of crease slowed to 0.6 percent and in October 0.4 rcent. With the decline in inventories in November, e inventory to shipments ratio dropped to 1.49, the rst decline in eight months.

W ORDERS. Excluding the $4.9 billion increase in fense capital goods, new orders in November were up .0 billion, $2.0 billion of which was for nondefense pital goods. This 8.2 percent increase in nondefense llowed a decline last month of 8.8 percent, bringing lers approximately up to the September level of $27.8 llion.

Within the major industries, nonelectrical chinery was up $1.2 billion or 6.8 percent with fice and computing equipment and engines and turbines owing the largest increases. Transportation uipment, excluding the defense orders was up $1.2 llion or 6.4 percent with the motor vehicle industry owing a $0.9 billion or 5.6 percent increase. ectrical machinery was up $0.3 billion or 1.8 rcent, reflecting increases in nondefense mmunication equipment and electronic components.

SHIPMENTS. Shipments of durable goods in November increased $1.3 billion or 1.3 percent to $101.7 billion. The same industries which showed large new order increases also accounted for the shipments increases. Transportation equipment was up $0.8 billion or 3.5 percent, all in the motor vehicle industry. Nonelectrical machinery was up $0.5 billion or 2.5 percent with office and computing equipment showing a 14.9 percent increase. Electrical machinery was up $0.3 billion or 1.8 percent, virtually all in nondefense communication equipment.

Nondurable goods shipments increased $0.3 billion or 0.4 percent. Increases in rubber and plastics products, tobacco and apparel were partially offset by declines in most of the other major industires.

UNFILLED ORDERS. The increase in manufacturers' unfilled orders of $1.7 billion resulted from large defense orders being partially offset by declines in several other industries. The large increase in defense of $3.5 billion or 2.9 percent was the largest since the 5.0 percent increase in March.

Excluding defense, manufacturers' unfilled orders declined $1.9 billion in November. Electrical machinery was down $0.5 billion with declines prevalent in most of the categories. Nonelectrical machinery was down $0.3 billion resulting from a mixed pattern of increases and decreases. Primary metals was down $0.2 billion, all coming from the nonferrous metals category.

INVENTORIES. The decline in inventories in November of 0.3 percent resulted from contrasting changes between the durable and nondurable goods sectors and among the stages of fabrication of inventories. Durable goods inventories showed a slight decline in total of 0.1 percent, but materials and supplies declined 1.1 percent while work in process and finished goods increased 0.1 percent and 0.6 percent respectively. Nondurable goods inventories declined 0.7 percent, but most of that decrease came from a reduction in finished goods inventories of 0.9 percent and work in process of 1.4 percent; materials and supplies were down 0.3 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for release on January 25, 1985 at 8:30 A.M. and the full report on January 31, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Oct.–Nov.[p]	Sept.–Oct.[r]	Aug.–Sept.	Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	1984[p]	1983
	All manufacturing industries	192,152	190,521	190,151	192,006	+0.9	+0.2	-1.0	191,004	196,351	199,222	188,646	2,086,845	1,867,776
	Manufacturing industries with unfilled orders	103,718	103,247	102,173	102,431	+0.5	+1.1	-0.3	103,411	106,257	107,414	100,370	1,106,825	959,507
	Durable goods industries	101,741	100,427	98,943	101,035	+1.3	+1.5	-2.1	101,078	104,269	103,634	96,864	1,085,697	929,170
	With unfilled orders	83,293	82,451	81,575	81,661	+1.0	+1.1	-0.1	82,768	84,621	85,787	79,286	881,639	757,525
32	Stone, clay, and glass products	4,694	4,666	4,525	4,719	+0.6	+3.1	-4.1	4,630	4,998	4,931	4,981	50,883	45,324
322	Glass containers	395	394	385	397	+0.3	+2.3	-3.0	366	398	399	420	4,314	4,520
33	Primary metals	10,993	11,146	10,576	11,608	-1.4	+5.4	-8.9	10,372	11,157	10,793	11,183	123,956	106,972
331	Blast furnaces, steel mills	4,495	4,783	4,532	4,848	-6.0	+5.5	-6.5	4,239	4,659	4,510	4,663	52,180	43,713
333-9	Nonferrous and other primary metals	5,249	5,094	4,787	5,375	+3.0	+6.4	-10.9	4,908	5,175	5,017	5,182	57,774	52,190
34	Fabricated metal products	12,263	11,934	11,438	11,555	+2.8	+4.3	-1.0	12,004	12,539	11,959	11,612	125,870	110,564
341	Metal cans, barrels, and drums	883	882	865	938	+0.1	+2.0	-7.8	741	845	977	1,099	10,130	10,438
35	Machinery, except electrical	18,398	17,941	18,418	17,307	+2.5	-2.6	+6.4	18,075	17,948	19,204	16,249	190,574	160,721
351	Engines and turbines	1,240	1,170	1,359	1,107	+6.0	-13.9	+22.8	1,164	1,135	1,402	1,034	13,523	11,066
352	Farm machinery and equipment	805	994	860	749	-19.0	+15.6	+14.8	683	1,104	878	663	9,838	9,753
353	Construction, mining, and material handling equipment	2,827	2,895	2,883	2,575	-2.3	+0.4	+12.0	2,711	2,869	2,949	2,467	29,955	25,709
354	Metalworking machinery	1,063	926	943	840	+14.8	-1.8	+12.3	1,035	976	990	775	9,352	7,284
356	General industrial machinery	1,427	1,481	1,434	1,457	-3.6	+3.3	-1.6	1,383	1,556	1,459	1,427	15,398	13,352
357	Office and computing machines	5,184	4,513	4,957	4,587	+14.9	-9.0	+8.1	5,464	4,337	5,463	4,344	48,192	40,396
36	Electrical machinery	15,386	15,114	15,731	15,422	+1.8	-3.9	+2.0	15,479	15,603	16,681	14,975	165,878	141,686
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,097	2,058	2,238	2,008	+1.9	-8.0	+11.5	2,059	2,036	2,367	1,949	22,545	19,898
363	Household appliances	1,317	1,389	1,424	1,448	-5.2	-2.5	-1.7	1,244	1,449	1,556	1,510	15,889	13,815
365	Radio and TV	847	855	832	881	-0.9	+2.8	-5.6	942	991	998	846	9,423	7,867
366	Communication equipment	4,924	4,568	4,744	4,672	+7.8	-3.7	+1.5	4,834	4,613	4,837	4,441	49,435	43,634
367	Electronic components	3,703	3,785	3,973	3,940	-2.2	-4.7	+0.8	3,740	3,807	4,196	3,845	41,272	32,229
37	Transportation equipment	25,157	24,317	23,339	25,496	+3.5	+4.2	-8.5	25,732	25,785	23,915	22,401	264,377	218,482
371	Motor vehicles and parts	16,704	15,851	14,970	17,358	+5.4	+5.9	-13.8	17,253	17,498	15,242	14,927	177,786	138,648
372,6	Aircraft, missiles, and parts	6,814	6,871	6,756	6,482	-0.8	+1.7	+4.2	6,933	6,699	7,068	5,946	68,543	63,910
3731,95	Shipbuilding and military tank vehicles	864	894	871	887	-3.4	+2.6	-1.8	850	888	896	832	9,387	9,082
38	Instruments and related products	4,639	4,660	4,838	4,746	-0.5	-3.7	+1.9	4,739	4,809	5,170	4,668	51,463	45,342
381-4	Scientific and engineering instruments	2,889	2,790	2,956	2,896	+3.5	-5.6	+2.1	2,866	2,827	3,136	2,815	30,727	26,566
386	Photographic goods	1,566	1,675	1,693	1,663	-6.5	-1.1	+1.8	1,690	1,768	1,822	1,657	18,514	16,644
24,25, 39	All other durable goods	10,211	10,649	10,078	10,182	-4.1	+5.7	-1.0	10,047	11,430	10,981	10,795	112,696	100,079
	Nondurable goods industries	90,411	90,094	91,208	90,971	+0.4	-1.2	+0.3	89,926	92,082	95,588	91,782	1,001,148	938,606
	With unfilled orders	20,425	20,796	20,598	20,770	-1.8	+1.0	-0.8	20,643	21,636	21,627	21,084	225,186	201,982
20	Food and kindred products	24,129	24,287	24,329	24,255	-0.7	-0.2	+0.3	24,384	25,101	25,963	24,418	270,313	262,261
201	Meat products	5,781	5,706	5,677	5,819	+1.3	+0.5	-2.4	5,816	5,980	5,944	6,046	64,111	60,945
208	Beverages	3,291	3,382	3,561	3,645	-2.7	-5.0	-2.3	3,330	3,562	3,575	3,882	39,710	38,612
207	Fats and oils	1,204	1,130	1,144	1,235	+6.5	-1.2	-7.4	1,245	1,139	1,168	1,203	14,353	15,102
203-6,9	All other foods	10,641	10,886	10,771	10,384	-2.3	+1.1	+3.7	10,768	11,256	12,020	10,134	116,753	112,623
21	Tobacco products	1,662	1,335	1,470	1,444	+24.5	-9.2	+1.8	1,644	1,379	1,571	1,494	15,502	13,691
22	Textile mill products	4,441	4,475	4,623	4,588	-0.8	-3.2	+0.8	4,428	4,659	4,936	4,730	51,219	47,723
26	Paper and allied products	8,127	8,034	7,955	7,995	+1.2	+1.0	-0.5	7,827	8,149	8,170	8,167	88,190	78,000
261-3,6	Pulp, paper etc.	3,402	3,418	3,414	3,496	-0.5	+0.1	-2.3	3,377	3,418	3,467	3,512	38,101	33,194
265	Paperboard containers	1,891	1,873	1,790	1,853	+1.0	+4.6	-3.4	1,831	1,972	1,860	1,886	20,071	17,559
264	All other paper products	2,834	2,743	2,751	2,646	+3.3	-0.3	+4.0	2,619	2,759	2,843	2,769	30,018	27,247
28	Chemicals and allied products	17,569	17,704	17,446	18,048	-0.8	+1.5	-3.3	16,473	16,916	18,207	17,359	193,962	173,524
281,6	Industrial chemicals, except pigments	5,914	5,921	5,688	5,932	-0.1	+4.1	-4.1	5,582	5,625	5,773	5,736	62,925	53,858
283,4	Drugs, soaps, and toiletries	4,603	4,462	4,403	4,629	+3.2	+1.3	-4.9	4,442	4,471	5,204	4,550	49,082	45,985
29	Petroleum and coal products	16,413	16,313	17,227	16,362	+0.6	-5.3	+5.3	16,419	16,412	17,328	16,469	181,505	175,139
30	Rubber and plastics products	4,538	4,171	4,403	4,304	+8.8	-5.3	+2.3	4,333	4,427	4,561	4,445	48,347	46,225
23,27, 31	All other nondurable goods	13,532	13,775	13,755	13,975	-1.8	+0.1	-1.6	14,418	15,039	14,852	14,700	152,110	142,043
	Market categories:													
	Home goods and apparel	12,751	12,882	12,736	12,877	-1.0	+1.1	-1.1	13,231	14,316	14,323	14,024	144,633	134,255
	Consumer staples	33,708	33,609	33,483	33,658	+0.3	+0.4	-0.5	34,153	34,727	36,081	33,737	369,322	349,919
	Equipment and defense products, except automotive	29,885	28,824	29,795	28,244	+3.7	-3.3	+5.5	29,587	28,823	31,192	26,756	305,456	267,144
	Automotive equipment	18,665	17,722	16,885	19,267	+5.3	+5.0	-12.4	19,039	19,514	17,244	16,913	200,237	159,168
	Construction materials, supplies and intermediate products	15,419	15,303	14,858	14,887	+0.8	+3.0	-0.2	15,029	16,177	15,896	15,710	162,327	144,523
	Other materials, supplies, and intermediate products	81,724	82,181	82,394	83,073	-0.6	-0.3	-0.8	79,965	82,794	84,486	81,506	904,870	812,767
	Supplementary series:[2]													
	Capital goods industries	33,902	32,891	33,875	32,177	+3.1	-2.9	+5.3	33,895	32,863	35,453	30,301	348,502	303,895
	Nondefense	27,626	26,541	27,739	26,048	+4.1	-4.3	+6.5	27,599	26,497	29,065	24,475	283,170	244,907
	Defense	6,276	6,350	6,136	6,129	-1.2	+3.5	+0.1	6,296	6,366	6,388	5,826	65,332	58,988
	Household durable goods industries	6,341	6,618	6,214	6,264	-4.2	+6.5	-0.8	6,425	7,230	7,083	6,567	69,164	59,478

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	1984[p]	1983
	All manufacturing industries	193,812	185,856	189,817	192,578	+4.3	-2.1	-1.4	190,579	193,225	197,613	187,247	2,109,797	1,896,821
	Manufacturing industries with unfilled orders	105,378	98,582	101,839	103,003	+6.9	-3.2	-1.1	102,986	103,131	105,805	98,971	1,129,777	988,552
	Durable goods industries	103,529	96,067	98,676	102,015	+7.8	-2.6	-3.3	100,997	101,507	102,182	95,892	1,109,487	956,547
	With unfilled orders	85,081	78,091	81,308	82,641	+9.0	-4.0	-1.6	82,687	81,859	84,335	78,314	905,429	784,902
32	Stone, clay, and glass products	4,605	4,648	4,493	4,815	-0.9	+3.4	-6.7	4,549	4,952	4,852	5,016	51,211	45,662
33	Primary metals	10,786	10,597	10,281	11,245	+1.8	+3.1	-8.6	10,184	10,474	10,076	10,771	122,088	112,177
331	Blast furnaces, steel mills	4,560	4,613	4,074	4,714	-1.1	+13.2	-13.6	4,309	4,462	3,909	4,460	50,508	46,737
333-9	Nonferrous and other primary metals	5,039	4,808	4,937	5,197	+4.8	-2.6	-5.0	4,686	4,740	4,951	5,014	57,019	54,088
34	Fabricated metal products	12,220	12,054	11,878	12,034	+1.4	+1.5	-1.3	11,748	12,376	12,369	11,900	127,068	109,618
35	Machinery, except electrical	18,115	16,962	18,049	17,549	+6.8	-6.0	+2.8	17,723	17,412	18,425	15,956	194,286	162,942
351	Engines and turbines	1,283	725	1,292	1,268	+77.0	-43.9	+1.9	1,039	1,172	1,325	1,232	13,979	10,917
353	Construction, mining, and material handling equipment	2,714	2,872	2,895	2,452	-5.5	-0.8	+18.1	2,678	2,846	2,930	2,276	30,305	25,757
354	Metalworking machinery	1,123	846	1,116	960	+32.7	-24.2	+16.3	1,091	930	1,091	955	10,492	7,356
356	General industrial machinery	1,534	1,395	1,399	1,484	+10.0	-0.3	-5.7	1,436	1,474	1,371	1,435	15,484	13,325
357	Office and computing machines	5,086	4,379	4,763	4,640	+16.1	-8.1	+2.7	5,348	3,986	5,072	3,749	49,172	41,704
36	Electrical machinery	14,896	14,631	16,792	16,403	+1.8	-12.9	+2.4	14,637	14,918	17,130	16,167	176,010	150,351
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,993	2,103	2,110	2,126	-5.2	-0.3	-0.8	1,914	2,063	2,214	2,051	22,309	19,756
363	Household appliances	1,342	1,364	1,401	1,385	-1.6	-2.6	+1.2	1,231	1,375	1,497	1,450	15,792	13,945
365	Radio and TV	649	822	843	1,019	-21.0	-2.5	-17.3	773	676	917	1,246	9,518	7,761
366	Communication equipment	5,092	4,794	5,907	6,088	+6.2	-18.8	-3.0	4,870	5,079	6,073	5,873	57,377	46,743
367	Electronic components	3,328	3,068	3,954	3,383	+8.5	-22.4	+16.9	3,200	3,010	3,685	3,189	43,616	37,748
37	Transportation equipment	28,147	21,912	22,113	25,096	+28.5	-0.9	-11.9	27,677	25,351	23,544	20,646	273,650	228,271
372,6	Aircraft, missiles, and parts	9,841	5,252	6,720	6,962	+87.4	-21.8	-3.5	8,553	6,825	7,471	4,983	80,782	70,885
3731,95	Shipbuilding and military tank vehicles	1,184	504	194	357	+134.9	+159.8	-45.7	1,563	559	634	355	7,782	9,802
38	Instruments and related products	4,692	4,741	4,857	4,907	-1.0	-2.4	-1.0	4,728	4,846	5,130	4,809	52,107	45,962
24,25, 39	All other durable goods	10,068	10,522	10,213	9,966	-4.3	+3.0	+2.5	9,751	11,178	10,656	10,627	113,067	101,564
	Nondurable goods industries	90,283	89,789	91,141	90,563	+0.6	-1.5	+0.6	89,582	91,718	95,431	91,355	1,000,310	940,274
	With unfilled orders	20,297	20,491	20,531	20,362	-0.9	-0.2	+0.8	20,299	21,272	21,470	20,657	224,348	203,650
	Market categories:													
	Home goods and apparel	12,331	12,681	12,741	12,896	-2.8	-0.5	-1.2	12,708	13,613	13,904	14,215	144,618	134,958
	Consumer staples	33,697	33,647	33,479	33,691	+0.1	+0.5	-0.6	34,112	34,727	36,112	33,798	369,303	349,877
	Equipment and defense products, except automotive	33,379	27,589	30,050	30,375	+21.0	-8.2	-1.1	31,966	29,573	31,978	26,705	326,380	278,288
	Automotive equipment	18,256	17,295	16,422	18,945	+5.6	+5.3	-13.3	18,609	19,263	16,791	16,644	198,705	161,150
	Construction materials, supplies and intermediate products	15,349	15,433	14,858	15,144	-0.5	+3.9	-1.9	14,909	16,089	15,869	15,806	163,009	144,276
	Other materials, supplies, and intermediate products	80,800	79,211	82,267	81,527	+2.0	-3.7	+0.9	78,275	79,960	82,959	80,079	907,782	828,272
	Supplementary series:[2]													
	Capital goods industries	37,282	30,294	34,421	34,083	+23.1	-12.0	+1.0	35,810	32,788	36,428	30,293	371,787	317,183
	Nondefense	27,458	25,378	27,835	26,499	+8.2	-8.8	+5.0	26,836	26,368	28,299	24,551	294,787	246,195
	Defense	9,824	4,916	6,586	7,584	+99.8	-25.4	-13.2	8,974	6,420	8,129	5,742	77,000	70,988
	Household durable goods industries	5,963	6,480	6,250	6,310	-8.0	+3.7	-1.0	5,945	6,590	6,709	6,833	69,268	60,104

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1984p	Oct. 1984r	Sept. 1984	Aug. 1984	Oct.-Nov.p	Sept.-Oct.r	Aug.-Sept.	Nov. 1984p	Oct. 1984r	Sept. 1984	Aug. 1984	Nov. 1983
	All manufacturing industries..	356,224	354,566	359,232	359,564	+0.5	-1.3	-0.1	350,910	351,330	354,460	356,071	323,191
	Durable goods industries.....	346,205	344,422	348,782	349,04R	+0.5	-1.3	-0.1	341,223	341,300	344,063	345,519	312,642
32	Stone, clay, and glass products...	2,319	2,408	2,427	2,459	-3.7	-0.8	-1.3	2,268	2,349	2,397	2,475	1,993
33	Primary metals.....	19,282	19,490	20,038	20,333	-1.1	-2.7	-1.5	18,441	18,629	19,312	20,029	20,023
331	Blast furnaces, steel mills.....	8,379	8,314	8,484	8,942	+0.8	-2.0	-5.1	8,019	7,948	8,145	8,745	9,621
333-9	Nonferrous and other primary metals.....	7,774	7,985	8,270	8,120	-2.6	-3.4	+1.8	7,315	7,538	7,972	8,039	7,961
34	Fabricated metal products.....	21,705	21,749	21,629	21,187	-0.2	+0.6	+2.1	21,322	21,579	21,741	21,332	20,294
35	Machinery, except electrical.....	62,560	62,842	63,821	64,191	-0.4	-1.5	-0.6	61,856	62,206	62,740	63,519	57,750
351	Engines and turbines.....	14,981	14,937	15,382	15,449	+0.3	-2.9	-0.4	15,177	15,301	15,265	15,341	14,910
353	Construction, mining, and material handling equipment....	6,032	6,144	6,167	6,155	-1.8	-0.4	+0.2	6,019	6,052	6,075	6,093	5,679
354	Metalworking machinery.....	3,473	3,414	3,494	3,320	+1.7	-2.3	+5.2	3,515	3,458	3,504	3,403	2,468
356	General industrial machinery....	4,821	4,715	4,801	4,836	+2.2	-1.8	-0.7	4,735	4,682	4,763	4,851	4,665
357	Office and computing machines...	21,939	22,036	22,171	22,366	-0.4	-0.6	-0.9	21,127	21,243	21,594	21,985	19,451
36	Electrical machinery.....	80,328	80,818	81,300	80,239	-0.6	-0.6	+1.3	79,301	80,143	80,829	80,379	68,274
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,082	6,185	6,140	6,268	-1.7	+0.7	-2.0	6,006	6,151	6,123	6,276	6,620
363	Household appliances.....	441	416	441	464	+6.0	-5.7	-5.0	365	378	452	511	436
365	Radio and TV.....	525	724	757	746	-27.5	-4.4	+1.5	491	660	975	1,056	300
366	Communication equipment.....	50,550	50,383	50,156	48,993	+0.3	+0.5	+2.4	50,137	50,100	49,636	48,399	41,616
367	Electronic components.....	21,237	21,612	22,329	22,348	-1.7	-3.2	-0.1	20,812	21,353	22,150	22,661	17,937
37	Transportation equipment.....	146,182	143,195	145,599	146,824	+2.1	-1.7	-0.8	144,610	142,663	143,097	143,472	131,614
372,6	Aircraft, missiles, and parts...	118,182	115,156	116,774	116,810	+2.6	-1.4	0.0	116,568	114,947	114,821	114,421	100,324
3731,95	Shipbuilding and military tank vehicles.....	21,009	20,690	21,080	21,757	+1.5	-1.9	-3.1	21,052	20,339	20,668	20,931	23,445
38	Instruments and related products..	8,433	8,381	8,302	8,282	+0.6	+1.0	+0.2	8,296	8,307	8,271	8,311	7,596
24,25, 39	All other durable goods.....	5,396	5,539	5,666	5,533	-2.6	-2.2	+2.4	5,129	5,424	5,676	6,002	5,098
	Nondurable goods industries.....	10,019	10,144	10,450	10,516	-1.2	-2.9	-0.6	9,687	10,030	10,397	10,552	10,549
	Market categories:												
	Home goods and apparel.....	4,033	4,455	4,656	4,650	-9.5	-4.3	+0.1	3,698	4,221	4,926	5,343	3,710
	Consumer staples.....	702	713	675	679	-1.5	+5.6	-0.6	681	722	722	691	723
	Equipment and defense products, except automotive.....	220,601	217,110	218,346	218,093	+1.6	-0.6	+0.1	217,819	215,437	214,687	213,899	194,162
	Automotive equipment.....	6,241	6,650	7,077	7,540	-6.2	-6.0	-6.1	6,247	6,677	6,928	7,381	7,333
	Construction materials, supplies and intermediate products.....	12,720	12,790	12,661	12,660	-0.5	+1.0	0.0	12,532	12,652	12,741	12,768	12,200
	Other materials, supplies, and intermediate products.....	111,927	112,848	115,817	115,942	-0.8	-2.6	-0.1	109,933	111,621	114,456	115,989	105,063
	Supplementary series:[2]												
	Capital goods industries.....	263,057	259,679	262,274	261,729	+1.3	-1.0	+0.2	260,205	258,286	258,360	257,387	232,982
	Nondefense.....	135,722	135,889	137,051	136,955	-0.1	-0.8	+0.1	134,732	135,492	135,619	136,385	123,566
	Defense.....	127,335	123,790	125,223	124,774	+2.9	-1.1	+0.4	125,473	122,794	122,741	121,002	109,416
	Household durable goods industries.....	3,633	4,013	4,152	4,115	-9.5	-3.3	+0.9	3,307	3,787	4,428	4,801	3,221

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Nov. 1983
	All manufacturing industries..	285,516	286,426	285,185	283,525	-0.3	+0.4	+0.6	284,500	285,459	283,188	282,950	259,223
	Manufacturing industries with unfilled orders.....	198,350	198,756	197,238	195,424	-0.2	+0.8	+0.9	196,870	197,454	195,905	195,885	176,024
	Durable goods industries.....	190,273	190,476	188,915	187,142	-0.1	+0.8	+0.9	189,020	189,459	187,726	187,320	169,575
	With unfilled orders.....	174,315	174,761	173,324	171,846	-0.3	+0.8	+0.9	173,416	173,986	172,337	172,066	154,860
32	Stone, clay, and glass products...	5,930	5,916	5,959	5,923	+0.2	-0.7	+0.6	5,710	5,704	5,774	5,864	5,473
322	Glass containers.....	628	645	646	626	-2.6	-0.2	+3.2	622	635	633	630	631
33	Primary metals.....	20,652	20,977	21,397	21,302	-1.5	-2.0	+0.4	20,653	20,884	21,208	21,214	19,698
331	Blast furnaces, steel mills.....	9,609	9,766	10,051	10,024	-1.6	-2.8	+0.3	9,705	9,863	10,061	10,074	9,497
333-9	Nonferrous and other primary metals.....	9,766	9,952	10,097	10,002	-1.9	-1.4	+0.9	9,698	9,783	9,915	9,892	9,033
34	Fabricated metal products.....	19,296	18,892	18,785	18,326	+2.1	+0.6	+2.5	18,750	18,544	18,456	18,323	17,166
341	Metal cans, barrels, and drums..	2,253	2,000	2,073	1,818	+12.6	-3.5	+14.0	1,906	1,744	1,801	1,763	1,737
35	Machinery, except electrical.....	40,697	40,520	39,926	40,070	+0.4	+1.5	-0.4	40,503	40,260	39,669	40,006	36,849
351	Engines and turbines.....	2,304	2,327	2,290	2,407	-1.0	+1.6	-4.9	2,321	2,329	2,245	2,364	2,059
352	Farm machinery and equipment....	2,019	1,973	2,015	1,989	+2.3	-2.1	+1.3	1,914	1,859	1,967	1,969	1,954
353	Construction, mining, and material handling equipment....	7,000	7,026	7,006	7,019	-0.4	+0.3	-0.2	6,972	6,948	6,901	6,977	7,303
354	Metalworking machinery.....	2,447	2,414	2,414	2,421	+1.4	0.0	-0.3	2,457	2,427	2,395	2,426	2,232
356	General industrial machinery....	3,455	3,454	3,497	3,550	0.0	-1.2	-1.5	3,421	3,398	3,466	3,522	3,594
357	Office and computing machines...	12,263	12,194	11,679	11,746	+0.6	+4.4	-0.6	12,299	12,254	11,749	11,911	9,847
36	Electrical machinery.....	32,613	32,479	31,852	31,397	+0.4	+2.0	+1.4	32,243	32,324	31,628	31,483	27,238
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,522	4,490	4,447	4,483	+0.7	+1.0	-0.8	4,517	4,529	4,435	4,480	4,052
363	Household appliances.....	2,625	2,579	2,498	2,402	+1.8	+3.2	+4.0	2,460	2,463	2,361	2,358	1,750
365	Radio and TV.....	1,272	1,361	1,317	1,262	-6.5	+3.3	+4.4	1,249	1,333	1,337	1,333	984
366	Communication equipment.....	12,983	12,981	12,637	12,379	0.0	+2.7	+2.1	12,954	12,995	12,565	12,379	10,922
367	Electronic components.....	6,537	6,381	6,324	6,312	+2.4	+0.9	+0.2	6,478	6,369	6,305	6,319	5,520
37	Transportation equipment.....	46,686	47,236	46,731	45,895	-1.2	+1.1	+1.8	47,182	47,545	46,745	46,068	40,126
371	Motor vehicles and parts.....	10,773	10,924	10,684	10,523	-1.4	+2.2	+1.5	11,030	11,203	10,897	10,675	9,141
372,6	Aircraft, missiles, and parts...	32,687	33,107	32,876	32,291	-1.3	+0.7	+1.8	32,870	33,137	32,710	32,390	27,976
3731,95	Shipbuilding and military tank vehicles.....	1,387	1,393	1,415	1,339	-0.4	-1.6	+5.7	1,393	1,405	1,416	1,329	1,470
38	Instruments and related products..	9,579	9,568	9,466	9,526	+0.1	+1.1	-0.6	9,429	9,448	9,415	9,556	8,884
381-4	Scientific and engineering instruments.....	6,942	6,953	6,818	6,803	-0.2	+2.0	+0.2	6,872	6,862	6,770	6,790	6,400
386	Photographic goods.....	2,055	2,044	2,070	2,143	+0.5	-1.3	-3.4	1,997	2,029	2,070	2,184	2,000
24,25, 39	All other durable goods.....	14,820	14,888	14,799	14,703	-0.5	+0.6	+0.7	14,550	14,750	14,831	14,806	14,141
	Nondurable goods industries.....	95,243	95,950	96,270	96,383	-0.7	-0.3	-0.1	95,480	96,000	95,462	95,630	89,648
	With unfilled orders.....	24,035	23,995	23,914	23,578	+0.2	+0.3	+1.4	23,454	23,468	23,568	23,819	21,164
20	Food and kindred products.....	21,257	21,197	21,582	22,285	+0.3	-1.8	-3.2	22,681	22,473	21,890	21,751	22,166
201	Meat products.....	2,309	2,222	2,232	2,295	+3.9	-0.4	-2.7	2,390	2,238	2,131	2,178	2,099
208	Beverages.....	3,371	3,387	3,510	3,590	-0.5	-3.5	-2.2	3,358	3,397	3,433	3,396	3,250
207	Fats and oils.....	1,141	1,080	1,288	1,412	+5.6	-16.1	-8.8	1,402	1,121	989	1,148	2,156
203-6,9	All other foods.....	12,620	12,669	12,726	13,164	-0.4	-0.4	-3.3	13,769	13,885	13,528	13,177	12,923
21	Tobacco products.....	3,549	3,600	3,573	3,470	-1.4	+0.8	+3.0	3,610	3,647	3,509	3,234	4,123
22	Textile mill products.....	7,186	7,380	7,349	7,400	-2.6	+0.4	-0.7	7,008	7,097	7,161	7,344	6,786
26	Paper and allied products.....	9,759	9,638	9,599	9,425	+1.3	+0.4	+1.8	9,645	9,473	9,376	9,390	8,655
261-3,6	Pulp, paper etc.....	3,585	3,544	3,549	3,471	+1.2	-0.1	+2.2	3,570	3,514	3,480	3,480	3,289
265	Paperboard containers.....	2,684	2,648	2,633	2,559	+1.4	+0.6	+2.9	2,631	2,581	2,588	2,569	2,260
264	All other paper products.....	3,490	3,446	3,417	3,395	+1.3	+0.8	+0.6	3,444	3,378	3,308	3,341	3,106
28	Chemicals and allied products.....	21,875	22,350	22,508	22,118	-2.1	-0.7	+1.8	21,748	21,994	21,909	21,911	19,581
281,6	Industrial chemicals, except pigments.....	6,618	7,100	7,287	7,135	-6.8	-2.6	+2.1	6,598	6,994	7,126	7,092	5,845
283,4	Drugs, soaps, and toiletries....	6,877	6,901	6,954	6,825	-0.3	-0.8	+1.9	6,836	6,825	6,794	6,825	6,276
29	Petroleum and coal products.....	8,818	8,967	8,819	8,889	-1.7	+1.7	-0.8	9,038	9,097	8,992	8,944	8,668
30	Rubber and plastics products.....	6,048	6,141	6,186	6,329	-1.5	-0.7	-2.3	5,873	5,978	6,000	6,147	5,560
23,27, 31	All other nondurable goods.....	16,751	16,677	16,654	16,467	+0.4	+0.1	+1.1	15,877	16,241	16,625	16,909	14,109
	Market categories:												
	Home goods and apparel.....	23,113	23,128	22,927	22,738	-0.1	+0.9	+0.8	22,014	22,425	22,690	23,044	19,711
	Consumer staples.....	34,045	34,070	34,261	34,506	-0.1	-0.6	-0.7	35,078	35,224	34,665	34,074	33,221
	Equipment and defense products, except automotive.....	83,188	83,276	81,778	81,117	-0.1	+1.8	+0.8	83,040	82,978	81,141	81,052	72,970
	Automotive equipment.....	13,227	13,378	13,088	12,936	-1.1	+2.2	+1.2	13,471	13,550	13,213	12,965	11,236
	Construction materials, supplies and intermediate products.....	19,966	19,824	19,755	19,657	+0.7	+0.3	+0.5	19,486	19,509	19,474	19,544	18,808
	Other materials, supplies, and intermediate products.....	111,977	112,750	113,376	112,571	-0.7	-0.6	+0.7	111,411	111,773	112,005	112,271	103,277
	Supplementary series:[2]												
	Capital goods industries.....	94,194	94,546	93,187	92,358	-0.4	+1.5	+0.9	94,156	94,395	92,651	92,450	82,673
	Nondefense.....	71,840	71,919	70,981	71,095	-0.1	+1.3	-0.2	72,033	72,146	70,723	71,107	65,472
	Defense.....	22,354	22,627	22,206	21,263	-1.2	+1.9	+4.4	22,123	22,249	21,928	21,343	17,201
	Household durable goods industries.....	11,426	11,447	11,275	11,084	-0.2	+1.5	+1.7	11,012	11,170	11,155	11,250	9,526

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Oct.–Nov.[p]	Sept.–Oct.[r]	Aug.–Sept.	Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Nov. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	93,346	94,087	94,226	93,732	-0.8	-0.1	+0.5	93,109	93,607	93,351	93,246	86,594
	Durable goods industries.....	56,035	56,652	56,578	56,089	-1.1	+0.1	+0.9	56,070	56,671	56,546	56,304	51,238
32	Stone, clay, and glass products...	1,942	1,963	1,980	1,988	-1.1	-0.9	-0.4	1,919	1,945	1,969	1,978	1,865
33	Primary metals.....	6,745	6,949	7,008	6,922	-2.9	-0.8	+1.2	6,924	7,003	7,025	6,902	6,635
34	Fabricated metal products.....	7,539	7,418	7,396	7,309	+1.6	+0.3	+1.2	7,378	7,322	7,362	7,327	6,724
35	Machinery, except electrical.....	11,533	11,609	12,063	11,876	-0.7	-3.8	+1.6	11,534	11,643	11,922	11,821	10,540
36	Electrical Machinery.....	8,697	8,617	8,544	8,479	+0.9	+0.9	+0.8	8,523	8,553	8,523	8,554	7,478
37	Transportation equipment.....	11,466	11,816	11,310	11,225	-3.0	+4.5	+0.8	11,600	11,789	11,328	11,367	9,961
38	Instruments and related products..	2,704	2,777	2,754	2,843	-2.6	+0.8	-3.1	2,672	2,760	2,772	2,833	2,493
24,25, 39	All other durable goods.....	5,409	5,503	5,523	5,447	-1.7	-0.4	+1.4	5,520	5,656	5,645	5,522	5,542
	Nondurable goods industries.....	37,311	37,435	37,648	37,643	-0.3	-0.6	0.0	37,039	36,936	36,805	36,942	35,356
20	Food and kindred products.....	7,745	7,862	7,884	7,984	-1.5	-0.3	-1.3	8,162	7,947	7,442	7,488	8,334
21	Tobacco products.....	3,101	3,074	3,114	3,041	+0.9	-1.3	+2.4	3,035	2,960	2,979	2,835	3,352
22	Textile mill products.....	2,196	2,281	2,286	2,287	-3.7	-0.2	0.0	2,123	2,124	2,188	2,254	2,072
26	Paper and allied products.....	4,973	4,890	4,918	4,837	+1.7	-0.6	+1.7	4,902	4,871	4,896	4,847	4,404
28	Chemicals and allied products.....	8,325	8,465	8,268	8,410	-1.7	+2.4	-1.7	8,122	8,307	8,219	8,403	7,435
29	Petroleum and coal products.....	2,242	2,148	2,279	2,183	+4.4	-5.7	+4.4	2,207	2,165	2,217	2,149	2,091
30	Rubber and plastics products.....	2,057	2,009	2,205	2,247	+2.4	-8.9	-1.9	2,031	2,007	2,161	2,180	2,063
23,27, 31	All other nondurable goods.....	6,672	6,706	6,694	6,654	-0.5	+0.2	+0.6	6,457	6,555	6,703	6,786	5,605
	WORK IN PROCESS												
	All manufacturing industries..	102,724	102,811	101,874	101,273	-0.1	+0.9	+0.6	102,508	103,014	101,742	101,693	91,317
	Durable goods industries.....	87,969	87,849	86,916	86,034	+0.1	+1.1	+1.0	87,779	87,904	86,692	86,365	76,439
32	Stone, clay, and glass products...	791	810	786	787	-2.3	+3.1	-0.1	733	759	762	774	744
33	Primary metals.....	8,053	8,022	8,202	8,285	+0.4	-2.2	-1.0	7,919	8,021	8,198	8,393	7,305
34	Fabricated metal products.....	6,976	6,807	6,747	6,506	+2.5	+0.9	+3.7	6,722	6,713	6,657	6,523	5,949
35	Machinery, except electrical.....	16,505	16,555	16,143	16,430	-0.3	+2.6	-1.7	16,588	16,522	16,082	16,452	15,195
36	Electrical Machinery.....	17,718	17,624	17,207	16,784	+0.5	+2.4	+2.5	17,646	17,616	17,080	16,832	14,508
37	Transportation equipment.....	30,194	30,387	30,325	29,745	-0.6	+0.2	+1.9	30,548	30,710	30,404	29,822	25,413
38	Instruments and related products..	4,128	4,049	3,996	3,963	+2.0	+1.3	+0.8	4,081	4,009	3,958	3,991	3,914
24,25, 39	All other durable goods.....	3,604	3,595	3,510	3,534	+0.3	+2.4	-0.7	3,542	3,554	3,551	3,578	3,411
	Nondurable goods industries.....	14,755	14,962	14,958	15,239	-1.4	0.0	-1.8	14,729	15,110	15,050	15,328	14,878
20	Food and kindred products.....	1,703	1,732	1,775	1,881	-1.7	-2.4	-5.6	1,734	1,730	1,745	1,779	1,747
21	Tobacco products.....	224	273	199	193	-17.9	+37.2	+3.1	340	435	289	179	508
22	Textile mill products.....	2,080	2,097	2,111	2,240	-0.8	-0.7	-5.8	2,052	2,087	2,104	2,239	2,287
26	Paper and allied products.....	1,158	1,152	1,124	1,084	+0.5	+2.5	+3.7	1,145	1,135	1,131	1,114	1,083
28	Chemicals and allied products.....	3,485	3,549	3,787	3,768	-1.8	-6.3	+0.5	3,445	3,554	3,761	3,765	3,379
29	Petroleum and coal products.....	1,584	1,652	1,548	1,622	-4.1	+6.7	-4.6	1,595	1,648	1,547	1,642	1,640
30	Rubber and plastics products.....	1,104	1,202	1,119	1,148	-8.2	+7.4	-2.5	1,110	1,201	1,128	1,148	1,035
23,27, 31	All other nondurable goods.....	3,417	3,305	3,295	3,303	+3.4	+0.3	-0.2	3,308	3,320	3,345	3,462	3,199
	FINISHED GOODS												
	All manufacturing industries..	89,446	89,528	89,085	88,520	-0.1	+0.5	+0.6	88,883	88,838	88,095	88,011	81,312
	Durable goods industries.....	46,269	45,975	45,421	45,019	+0.6	+1.2	+0.9	45,171	44,884	44,488	44,651	41,898
32	Stone, clay, and glass products...	3,197	3,143	3,193	3,148	+1.7	-1.6	+1.4	3,058	3,000	3,043	3,112	2,864
33	Primary metals.....	5,854	6,006	6,187	6,095	-2.5	-2.9	+1.5	5,810	5,860	5,985	5,919	5,758
34	Fabricated metal products.....	4,781	4,667	4,642	4,511	+2.4	+0.5	+2.9	4,650	4,509	4,437	4,473	4,493
35	Machinery, except electrical.....	12,659	12,356	11,720	11,764	+2.5	+5.4	-0.4	12,381	12,095	11,665	11,733	11,114
36	Electrical Machinery.....	6,198	6,238	6,101	6,134	-0.6	+2.2	-0.5	6,074	6,155	6,025	6,097	5,252
37	Transportation equipment.....	5,026	5,033	5,096	4,925	-0.1	-1.2	+3.5	5,034	5,046	5,013	4,879	4,752
38	Instruments and related products..	2,747	2,742	2,716	2,720	+0.2	+1.0	-0.1	2,676	2,679	2,685	2,732	2,477
24,25, 39	All other durable goods.....	5,807	5,790	5,766	5,722	+0.3	+0.4	+0.8	5,488	5,540	5,635	5,706	5,188
	Nondurable goods industries.....	43,177	43,553	43,664	43,501	-0.9	-0.3	+0.4	43,712	43,954	43,607	43,360	39,414
20	Food and kindred products.....	11,809	11,603	11,923	12,420	+1.8	-2.7	-4.0	12,785	12,796	12,703	12,484	12,085
21	Tobacco products.....	224	253	260	236	-11.5	-2.7	+10.2	235	252	241	220	263
22	Textile mill products.....	2,910	3,002	2,952	2,873	-3.1	+1.7	+2.7	2,833	2,886	2,869	2,851	2,427
26	Paper and allied products.....	3,628	3,596	3,557	3,504	+0.9	+1.1	+1.5	3,598	3,467	3,349	3,429	3,168
28	Chemicals and allied products.....	10,065	10,336	10,453	9,940	-2.6	-1.1	+5.2	10,181	10,133	9,929	9,743	8,767
29	Petroleum and coal products.....	4,992	5,167	4,992	5,084	-3.4	+3.5	-1.8	5,236	5,284	5,228	5,153	4,937
30	Rubber and plastics products.....	2,887	2,930	2,862	2,934	-1.5	+2.4	-2.5	2,732	2,770	2,711	2,819	2,462
23,27, 31	All other nondurable goods.....	6,662	6,666	6,665	6,510	-0.1	0.0	+2.4	6,112	6,366	6,577	6,661	5,305

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984	Nov. 1984[p]	Oct. 1984[r]	Sept. 1984	Aug. 1984
	All manufacturing industries	1.49	1.50	1.50	1.48	3.43	3.43	3.52	3.51
	Durable goods industries	1.87	1.90	1.91	1.85	4.16	4.18	4.28	4.27
32	Stone, clay, and glass products	1.26	1.27	1.32	1.26	0.54	0.56	0.59	0.57
33	Primary metals	1.88	1.88	2.02	1.84	1.75	1.75	1.89	1.75
34	Fabricated metal products	1.57	1.58	1.64	1.59	1.91	1.97	2.05	2.00
35	Machinery, except electrical	2.21	2.26	2.17	2.32	3.56	3.71	3.63	3.88
36	Electrical machinery	2.12	2.15	2.02	2.04	5.22	5.35	5.17	5.20
37	Transportation equipment	1.86	1.94	2.00	1.80	10.82	10.59	11.27	11.22
38	Instruments and related products	2.06	2.05	1.96	2.01	1.82	1.80	1.72	1.75
	Nondurable goods industries	1.05	1.06	1.06	1.06	0.49	0.49	0.51	0.51
20	Food and kindred products	0.88	0.87	0.89	0.92	(X)	(X)	(X)	(X)
21	Tobacco products	2.14	2.70	2.43	2.40	(X)	(X)	(X)	(X)
22	Textile mill products	1.62	1.65	1.59	1.61	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.20	1.20	1.21	1.18	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.25	1.26	1.29	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.54	0.55	0.51	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.33	1.47	1.40	1.47	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Nov. 1983	All Novs. 1979-1983	Nov. 1983-Oct. 1984	Year ago Nov. 1983	All Novs. 1979-1983	Nov. 1983-Oct. 1984	Year ago Nov. 1983	All Ndvs. 1979-1983	Nov. 1983-Oct. 1984	Year ago Nov. 1983	All Novs. 1979-1983	Nov. 1983-Oct. 1984
	All manufacturing industries.	0.2	0.3	0.3	0.2	0.5	0.4	0.0	0.1	0.1	0.1	0.0	0.0
	Durable goods industries	0.2	0.4	0.3	0.2	0.7	0.6	0.0	0.1	0.1	0.0	0.0	0.1
32	Stone, clay, and glass products	1.0	0.7	0.8	0.9	1.0	1.0	0.0	0.5	1.2	1.4	0.7	0.5
33	Primary metals	0.6	0.9	0.6	0.7	2.1	1.7	0.1	0.6	0.7	0.3	0.3	0.2
34	Fabricated metal products	1.1	1.0	1.0	2.2	1.8	1.1	0.5	0.5	0.3	0.6	0.6	0.3
35	Machinery, except electrical	0.9	1.1	0.5	0.6	1.7	1.0	0.4	0.4	0.2	0.1	0.2	0.1
36	Electrical machinery	0.0	0.3	0.8	0.8	0.6	0.9	0.2	0.2	0.2	0.0	0.2	0.2
37	Transportation equipment	0.2	0.6	0.6	0.9	1.1	1.1	0.2	0.1	0.1	0.4	0.2	0.2
38	Instruments and related products.	0.6	0.2	1.0	0.7	0.7	1.2	0.0	0.4	0.5	0.0	0.1	0.4
	Nondurable goods industries	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.5	0.2	0.2
20	Food and kindred products	0.1	0.3	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.4	0.4
21	Tobacco products	0.1	0.9	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.4
22	Textile mill products	1.0	0.5	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	0.6	0.4
26	Paper and allied products	1.7	0.5	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.2	0.3
28	Chemicals and allied products	0.5	0.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.2	0.5	0.5
29	Petroleum and coal products	1.3	0.9	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	1.0	0.6
30	Rubber and plastics products	0.3	1.4	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.3	0.3
	Capital Goods Industries:												
	Nondefense	0.7	0.5	0.5	0.6	1.3	0.8	0.0	0.1	0.1	0.1	0.2	0.1
	Defense	2.1	1.0	0.9	1.8	1.9	2.5	0.0	0.1	0.2	0.7	0.2	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C 3.158:
M 3-1 (84)-12

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
MAR 11 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

U.S. Department of Commerce
BUREAU OF THE CENSUS

DECEMBER 1984

M3-1(84)-12

For Wire Transmission 10:00 A.M. E.S.T. Thursday, January 31, 1985

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in December declined $1.3 billion or 0.7 percent to $192.8 billion, as a decline of 2.9 percent in durable goods more than offset a 1.9 percent increase in nondurable goods. New orders for all of 1984 totaled $2299.8 billion, 10.5 percent ahead of 1983. Shipments of manufactured goods in December increased $1.6 billion or 0.8 percent to $193.5 billion. The increase reflected a 1.7 percent increase in the nondurable sector as durable goods shipments were relatively unchanged for the month. Shipments for 1984 were $2273.9 billion, 11.0 percent over 1983. Unfilled orders in December were $356.1 billion down $0.7 billion or 0.2 percent from November, but up 7.9 percent from a year ago. Manufacturers' inventories at the end of December 1984 were $285.8 billion, showing little change from November, but up 9.7 percent from December 1983. The inventory to shipments ratio at the end of 1984 was 1.48. The ratio reached a low at the end of 1983 of 1.40, but increased through September 1984 reaching 1.50. After holding at 1.50 through October, the ratio has slipped two months in a row.

NEW ORDERS. New orders for durable goods at $101.0 billion were down $3.0 billion or 2.9 percent from November. This was revised downward from the earlier reported 2.1 percent decline. About half of the decline resulted from the $1.7 billion decrease in defense capital goods, which were unusually high the previous month. Excluding defense, orders in December were down 1.5 percent. The defense decline mostly affected the transportation equipment industry which in total declined $2.0 billion or 7.0 percent to $26.6 billion. Other major industries showing declines were nonelectrical machinery and primary metals. The decline in nonelectrical machinery of $2.0 billion or 10.8 percent resulted mostly from a drop in office and computing equipment, which was off 50 percent from November. Despite the December decline, new orders for the computing industry were 13.8 percent higher than 1983. The primary metals decline of $0.5 billion or 5.0 percent followed increases in October and November of 3.1 percent and 2.4 percent respectively. Orders increases in December for durable goods were reported in electrical machinery and fabricated metals. The increases in orders in the nondurable sector were in foods, textiles, apparel and chemicals.

SHIPMENTS. The shipments increase in December of $1.6 billion resulted almost entirely from a $1.5 billion or 1.7 percent increase in the nondurable goods sector. About two-thirds of that increase was in foods, which was up $1.0 billion or 4.2 percent. Other increases were in textile, apparel, chemicals and paper. Durable goods shipments were unchanged due to several large offsetting movements. Electrical machinery was up $0.9 billion or 6.0 percent and transportation equipment up $0.5 billion or 2.2 percent. Nonelectrical machinery was down $0.7 billion or 3.9 percent and primary metals down $0.7 billion or 6.2 percent.

UNFILLED ORDERS. Manufacturers' unfilled orders in December decreased $0.7 billion or 0.2 percent, despite a large increase in defense capital goods of $2.2 billion or 1.7 percent to $130.0 billion. Excluding defense, unfilled orders declined $2.9 billion or 1.3 percent. The machinery industries reported the largest declines in unfilled orders. Nonelectrical machinery was down $1.3 billion or 2.1 percent and electrical down $0.8 billion or 1.0 percent. Unfilled orders for transportation equipment increased $1.0 billion or 0.7 percent mostly due to the increase in defense aircraft.

INVENTORIES. A decrease in inventories of nondurable goods manufacturers' of $0.8 billion or 0.8 percent offset an increase in the durable sector of $0.7 billion or 0.4 percent. The decrease in nondurables was about half in petroleum products and the rest scattered; the increase in durables was mostly in transportation equipment. By stage of fabrication, finished goods inventories were down slightly for both durable and nondurable goods industries. The durable sector increased 0.8 percent in materials and supplies and 0.4 percent in work in process; the nondurable goods sector was down 1.5 percent in materials and supplies and 0.9 percent in work in process.

SCHEDULED RELEASE DATES. The advance report on durable goods for January is scheduled for release on February 26, 1985 at 8:30 A.M. and the full report on March 5, 1985 at 10:00 A.M.

The estimates for December are generally subject to greater revisions than other months because reporting by companies is delayed by year end closing of records.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1984P	Nov. 1984r	Oct. 1984	Sept. 1984	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1984P	Nov. 1984r	Oct. 1984	Sept. 1984	1984P	1983
	All manufacturing industries	193,549	191,978	190,521	190,151	+0.8	+0.8	+0.2	186,936	190,524	196,351	199,222	2,273,301	2,047,400
	Manufacturing industries with unfilled orders	104,498	103,677	103,247	102,173	+0.8	+0.4	+1.1	102,368	103,370	106,257	107,414	1,209,152	1,055,294
	Durable goods industries	101,826	101,778	100,427	98,943	0.0	+1.3	+1.5	97,952	101,101	104,269	103,634	1,183,672	1,021,514
	With unfilled orders	83,910	83,238	82,451	81,575	+0.8	+1.0	+1.1	82,451	82,705	84,621	85,787	964,027	834,231
32	Stone, clay, and glass products	4,694	4,703	4,666	4,525	-0.2	+0.8	+3.1	4,122	4,639	4,998	4,931	55,014	49,058
322	Glass containers	377	394	394	385	-4.3	0.0	+2.3	328	365	398	399	4,641	4,846
33	Primary metals	10,422	11,105	11,146	10,576	-6.2	-0.4	+5.4	9,502	10,477	11,157	10,793	133,563	117,904
331	Blast furnaces, steel mills	4,195	4,576	4,783	4,532	-8.3	-4.3	+5.5	3,910	4,315	4,659	4,510	56,166	48,189
333-9	Nonferrous and other primary metals	5,049	5,281	5,094	4,787	-4.4	+3.7	+6.4	4,595	4,938	5,175	5,017	62,399	57,609
34	Fabricated metal products	12,545	12,484	11,934	11,438	+0.5	+4.6	+4.3	11,596	12,222	12,539	11,959	137,684	120,570
341	Metal cans, barrels, and drums	883	916	882	865	-3.6	+3.9	+2.0	738	768	845	977	10,895	11,190
35	Machinery, except electrical	17,459	18,171	17,941	18,418	-3.9	+1.3	-2.6	18,802	17,850	17,948	19,204	209,151	178,267
351	Engines and turbines	1,347	1,239	1,170	1,359	+8.7	+5.9	-13.9	1,272	1,163	1,135	1,402	14,794	12,150
352	Farm machinery and equipment	793	819	994	860	-3.2	-17.6	+15.6	675	695	1,104	878	10,525	10,622
353	Construction, mining, and material handling equipment	2,635	2,834	2,895	2,883	-7.0	-2.1	+0.4	2,616	2,718	2,869	2,949	32,578	28,416
354	Metalworking machinery	1,000	858	926	943	+16.6	-7.3	-1.8	1,024	835	976	990	10,176	8,015
356	General industrial machinery	1,185	1,399	1,481	1,434	-15.3	-5.5	+3.3	1,222	1,356	1,556	1,459	16,593	14,742
357	Office and computing machines	4,607	5,151	4,513	4,957	-10.6	+14.1	-9.0	6,464	5,429	4,337	5,463	54,621	46,017
36	Electrical machinery	16,169	15,256	15,114	15,731	+6.0	+0.9	-3.9	15,891	15,340	15,603	16,681	181,630	156,016
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,176	2,073	2,058	2,238	+5.0	+0.7	-8.0	2,138	2,035	2,036	2,367	24,659	21,887
363	Household appliances	1,406	1,329	1,389	1,424	+5.8	-4.3	-2.5	1,280	1,256	1,449	1,556	17,181	14,928
365	Radio and TV	933	827	855	832	+12.8	-3.3	+2.8	943	918	991	998	10,342	8,634
366	Communication equipment	5,378	4,936	4,568	4,744	+9.0	+8.1	-3.7	5,533	4,846	4,613	4,837	54,980	48,573
367	Electronic components	3,738	3,665	3,785	3,973	+2.0	-3.2	-4.7	3,522	3,702	3,807	4,196	44,756	35,299
37	Transportation equipment	25,669	25,116	24,317	23,339	+2.2	+3.3	+4.2	24,072	25,695	25,785	23,915	288,412	240,496
371	Motor vehicles and parts	16,923	16,710	15,851	14,970	+1.3	+5.4	+5.9	14,303	17,260	17,498	15,242	192,096	151,870
372,6	Aircraft, missiles, and parts	7,075	6,801	6,871	6,756	+4.0	-1.0	+1.7	8,023	6,920	6,699	7,068	76,553	70,919
3731,95	Shipbuilding and military tank vehicles	971	848	894	871	+14.5	-5.1	+2.6	1,094	834	888	896	10,465	10,195
38	Instruments and related products	4,794	4,688	4,660	4,838	+2.3	+0.6	-3.7	4,910	4,788	4,809	5,170	56,422	50,016
381-4	Scientific and engineering instruments	3,010	2,917	2,790	2,956	+3.2	+4.6	-5.6	3,118	2,894	2,827	3,136	33,873	29,273
386	Photographic goods	1,603	1,575	1,675	1,693	+1.8	-6.0	-1.1	1,633	1,700	1,768	1,822	20,157	18,448
24,25, 39	All other durable goods	10,074	10,255	10,649	10,078	-1.8	-3.7	+5.7	9,057	10,090	11,430	10,981	121,796	109,187
	Nondurable goods industries	91,723	90,200	90,094	91,208	+1.7	+0.1	-1.2	88,984	89,423	92,082	95,588	1,089,629	1,025,886
	With unfilled orders	20,588	20,439	20,796	20,598	+0.7	-1.7	+1.0	19,917	20,665	21,636	21,627	245,125	221,063
20	Food and kindred products	25,050	24,040	24,287	24,329	+4.2	-1.0	-0.2	24,864	24,293	25,101	25,963	295,086	286,605
201	Meat products	5,997	5,724	5,706	5,677	+4.8	+0.3	+0.5	6,009	5,758	5,980	5,944	70,062	66,790
208	Beverages	3,414	3,290	3,382	3,561	+3.8	-2.7	-5.0	3,035	3,329	3,562	3,575	42,744	41,657
207	Fats and oils	1,193	1,205	1,130	1,144	-1.0	+6.6	-1.2	1,225	1,246	1,139	1,168	15,579	16,497
203-6,9	All other foods	11,155	10,644	10,886	10,771	+4.8	-2.2	+1.1	11,366	10,771	11,256	12,020	128,122	123,630
21	Tobacco products	1,563	1,662	1,335	1,470	-6.0	+24.5	-9.2	1,718	1,343	1,379	1,571	16,919	15,462
22	Textile mill products	4,528	4,287	4,475	4,623	+5.6	-4.2	-3.2	4,221	4,274	4,659	4,936	55,286	52,219
26	Paper and allied products	8,285	8,159	8,034	7,955	+1.5	+1.6	+1.0	7,677	7,860	8,149	8,170	95,900	85,135
261-3,6	Pulp, paper etc.	3,618	3,463	3,418	3,414	+4.5	+1.3	+0.1	3,341	3,439	3,418	3,467	41,504	36,280
265	Paperboard containers	1,806	1,855	1,873	1,790	-2.6	-1.0	+4.6	1,634	1,796	1,972	1,860	21,670	19,097
264	All other paper products	2,861	2,841	2,743	2,751	+0.7	+3.6	-0.3	2,702	2,625	2,759	2,843	32,726	29,758
28	Chemicals and allied products	17,974	17,584	17,704	17,446	+2.2	-0.7	+1.5	17,326	16,491	16,916	18,207	211,306	190,230
281,6	Industrial chemicals, except pigments	5,819	6,012	5,921	5,688	-3.2	+1.5	+4.1	5,720	5,675	5,625	5,773	68,738	59,187
283,4	Drugs, soaps, and toiletries	4,635	4,458	4,462	4,403	+4.0	-0.1	+1.3	4,677	4,302	4,471	5,204	53,619	50,448
29	Petroleum and coal products	16,165	16,332	16,313	17,227	-1.0	+0.1	-5.3	16,469	16,340	16,412	17,328	197,895	191,551
30	Rubber and plastics products	4,269	4,524	4,171	4,403	-5.6	+8.5	-5.3	3,827	4,320	4,427	4,561	52,161	50,320
23,27, 31	All other nondurable goods	13,889	13,612	13,775	13,755	+2.0	-1.2	+0.1	12,882	14,502	15,039	14,852	165,076	154,364
	Market categories:													
	Home goods and apparel	13,157	12,664	12,882	12,736	+3.9	-1.7	+1.1	11,208	13,139	14,316	14,323	155,749	145,185
	Consumer staples	34,774	33,521	33,609	33,483	+3.7	-0.3	+0.4	34,804	33,673	34,727	36,081	403,646	383,308
	Equipment and defense products, except automotive	29,995	29,690	28,824	29,795	+1.0	+3.0	-3.3	32,871	29,394	28,823	31,192	338,134	297,016
	Automotive equipment	18,793	18,661	17,722	16,885	+0.7	+5.3	+5.0	15,853	19,038	19,514	17,244	216,089	174,193
	Construction materials, supplies and intermediate products	15,741	15,709	15,303	14,858	+0.2	+2.7	+3.0	14,371	15,318	16,177	15,896	176,987	157,168
	Other materials, supplies, and intermediate products	81,089	81,733	82,181	82,394	-0.8	-0.5	-0.3	77,829	79,962	82,794	84,486	982,696	890,530
	Supplementary series:[2]													
	Capital goods industries	33,997	33,562	32,891	33,875	+1.3	+2.0	-2.9	36,851	33,555	32,863	35,453	385,013	337,497
	Nondefense	27,470	27,287	26,541	27,739	+0.7	+2.8	-4.3	29,755	27,259	26,497	29,065	312,585	272,339
	Defense	6,527	6,275	6,350	6,136	+4.0	-1.2	+3.5	7,096	6,296	6,366	6,388	72,428	65,158
	Household durable goods industries	6,375	6,282	6,618	6,214	+1.5	-5.1	+6.5	5,780	6,362	7,230	7,083	74,881	64,777

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1984p	Nov. 1984r	Oct. 1984	Sept. 1984	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1984p	Nov. 1984r	Oct. 1984	Sept. 1984	1984p	1983
	All manufacturing industries	192,845	194,168	185,856	189,817	-0.7	+4.5	-2.1	189,349	190,615	193,225	197,613	2,299,182	2,081,200
	Manufacturing industries with unfilled orders	103,794	105,867	98,582	101,839	-2.0	+7.4	-3.2	104,781	103,461	103,131	105,805	1,235,033	1,089,094
	Durable goods industries	101,002	104,037	96,067	98,676	-2.9	+8.3	-2.6	100,211	101,483	101,507	102,182	1,210,184	1,053,671
	With unfilled orders	83,086	85,497	78,091	81,308	-2.8	+9.5	-4.0	84,710	83,087	81,859	84,335	990,539	866,388
32	Stone, clay, and glass products	4,882	4,694	4,648	4,493	+4.0	+1.0	+3.4	4,237	4,636	4,952	4,852	55,535	49,347
33	Primary metals	10,308	10,848	10,597	10,281	-5.0	+2.4	+3.1	9,767	10,241	10,474	10,076	131,912	123,394
331	Blast furnaces, steel mills	4,677	4,652	4,613	4,074	+0.5	+0.8	+13.2	4,379	4,396	4,462	3,909	54,974	51,282
333-9	Nonferrous and other primary metals	4,541	5,041	4,808	4,937	-9.9	+4.8	-2.6	4,435	4,688	4,740	4,951	61,456	59,618
34	Fabricated metal products	12,871	12,426	12,054	11,878	+3.6	+3.1	+1.5	11,844	11,952	12,376	12,369	139,116	119,455
35	Machinery, except electrical	16,124	18,082	16,962	18,049	-10.8	+6.6	-6.0	17,917	17,685	17,412	18,425	212,165	180,874
351	Engines and turbines	1,552	1,290	725	1,292	+20.3	+77.9	-43.9	1,260	1,046	1,172	1,325	15,246	11,812
353	Construction, mining, and material handling equipment	2,711	2,694	2,872	2,895	+0.6	-6.2	-0.8	2,644	2,657	2,846	2,930	32,928	28,453
354	Metalworking machinery	1,297	930	846	1,116	+39.5	+9.9	-24.2	1,199	904	930	1,091	11,504	7,993
356	General industrial machinery	1,208	1,538	1,395	1,399	-21.5	+10.3	-0.3	1,200	1,440	1,474	1,371	16,688	14,697
357	Office and computing machines	2,601	5,210	4,379	4,763	-50.1	+19.0	-8.1	5,395	5,464	3,986	5,072	54,683	48,020
36	Electrical machinery	15,352	14,497	14,631	16,792	+5.9	-0.9	-12.9	15,277	14,235	14,918	17,130	190,885	165,573
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,179	1,974	2,103	2,110	+10.4	-6.1	-0.3	2,088	1,894	2,063	2,214	24,377	21,365
363	Household appliances	1,370	1,355	1,364	1,401	+1.1	-0.7	-2.6	1,263	1,244	1,375	1,497	17,068	15,083
365	Radio and TV	1,005	595	822	843	+68.9	-27.6	-2.5	1,048	718	676	917	10,511	8,624
366	Communication equipment	5,676	5,020	4,794	5,907	+13.1	+4.7	-18.8	6,179	4,799	5,079	6,073	63,485	52,258
367	Electronic components	2,581	3,141	3,068	3,954	-17.8	+2.4	-22.4	2,248	3,016	3,010	3,685	45,680	41,351
37	Transportation equipment	26,629	28,619	21,912	22,113	-7.0	+30.6	-0.9	27,437	28,144	25,351	23,544	301,554	254,004
372,6	Aircraft, missiles, and parts	8,296	10,179	5,252	6,720	-18.5	+93.8	-21.8	11,301	8,878	6,825	7,471	92,408	81,899
3731,95	Shipbuilding and military tank vehicles	553	1,240	504	194	-55.4	+146.0	+159.8	911	1,620	559	634	8,750	10,126
38	Instruments and related products	4,830	4,791	4,741	4,857	+0.8	+1.1	-2.4	4,965	4,828	4,846	5,130	57,172	50,693
24,25, 39	All other durable goods	10,006	10,080	10,522	10,213	-0.7	-4.2	+3.0	8,767	9,762	11,178	10,656	121,845	110,331
	Nondurable goods industries	91,843	90,131	89,789	91,141	+1.9	+0.4	-1.5	89,138	89,132	91,718	95,431	1,088,998	1,027,529
	With unfilled orders	20,708	20,370	20,491	20,531	+1.7	-0.6	-0.2	20,071	20,374	21,272	21,470	244,494	222,706
	Market categories:													
	Home goods and apparel	13,077	12,215	12,681	12,741	+7.1	-3.7	-0.5	11,026	12,592	13,613	13,904	155,528	145,891
	Consumer staples	34,773	33,514	33,647	33,479	+3.8	-0.4	+0.5	34,797	33,635	34,727	36,112	403,623	383,242
	Equipment and defense products, except automotive	28,710	33,794	27,589	30,050	-15.0	+22.5	-8.2	34,549	32,369	29,573	31,978	361,332	310,882
	Automotive equipment	18,992	18,347	17,295	16,422	+3.5	+6.1	+5.3	16,190	18,704	19,263	16,791	214,990	176,620
	Construction materials, supplies and intermediate products	16,007	15,682	15,433	14,858	+2.1	+1.6	+3.9	14,350	15,239	16,089	15,869	177,689	156,572
	Other materials, supplies, and intermediate products	81,286	80,616	79,211	82,267	+0.8	+1.8	-3.7	78,437	78,076	79,960	82,959	986,020	907,993
	Supplementary series:[2]													
	Capital goods industries	34,193	37,469	30,294	34,421	-8.7	+23.7	-12.0	40,056	35,982	32,788	36,428	412,015	354,712
	Nondefense	25,501	27,126	25,378	27,835	-6.0	+6.9	-8.8	27,800	26,499	26,368	28,299	322,250	273,162
	Defense	8,692	10,343	4,916	6,586	-16.0	+110.4	-25.4	12,256	9,483	6,420	8,129	89,765	81,550
	Household durable goods industries	6,365	5,860	6,480	6,250	+8.6	-9.6	+3.7	5,664	5,843	6,590	6,709	74,830	65,384

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1984p	Nov. 1984r	Oct. 1984	Sept. 1984	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1984p	Nov. 1984r	Oct. 1984	Sept. 1984	Dec. 1983
	All manufacturing industries..	356,059	356,756	354,566	359,232	-0.2	+0.6	-1.3	353,841	351,429	351,330	354,460	327,947
	Durable goods industries.....	345,861	346,678	344,422	348,782	-0.2	+0.7	-1.3	343,947	341,688	341,300	344,063	317,423
32	Stone, clay, and glass products...	2,586	2,398	2,408	2,427	+7.8	-0.4	-0.8	2,462	2,346	2,349	2,397	1,944
33	Primary metals.....	19,119	19,232	19,490	20,038	-0.6	-1.3	-2.7	18,659	18,394	18,629	19,312	20,308
331	Blast furnaces, steel mills.....	8,872	8,390	8,314	8,484	+5.7	+0.9	-2.0	8,499	8,030	7,948	8,145	9,690
333-9	Nonferrous and other primary metals.....	7,236	7,744	7,985	8,270	-6.6	-3.0	-3.4	7,128	7,288	7,538	7,972	8,072
34	Fabricated metal products.....	22,020	21,691	21,749	21,629	+1.5	-0.3	+0.6	21,557	21,309	21,579	21,741	20,125
35	Machinery, except electrical.....	61,416	62,755	62,842	63,821	-2.1	-0.1	-1.5	61,160	62,045	62,206	62,740	58,136
351	Engines and turbines.....	15,193	14,989	14,937	15,382	+1.4	+0.3	-2.9	15,174	15,186	15,301	15,265	14,721
353	Construction, mining, and material handling equipment....	6,080	6,004	6,144	6,167	+1.3	-2.3	-0.4	6,019	5,992	6,052	6,075	5,668
354	Metalworking machinery.....	3,783	3,486	3,414	3,494	+8.5	+2.1	-2.3	3,703	3,528	3,458	3,504	2,374
356	General industrial machinery....	4,876	4,854	4,715	4,801	+0.5	+2.9	-1.8	4,745	4,766	4,682	4,763	4,647
357	Office and computing machines...	20,089	22,095	22,036	22,171	-9.1	+0.3	-0.6	20,209	21,278	21,243	21,594	20,146
36	Electrical machinery.....	79,244	80,059	80,818	81,300	-1.0	-0.9	-0.6	78,422	79,037	80,143	80,829	69,166
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,090	6,086	6,185	6,140	+0.1	-1.6	+0.7	5,960	6,011	6,151	6,123	6,240
363	Household appliances.....	407	442	416	441	-7.9	+6.3	-5.7	349	366	378	452	461
365	Radio and TV.....	563	492	724	757	+14.4	-32.0	-4.4	564	460	660	975	396
366	Communication equipment.....	50,765	50,467	50,383	50,156	+0.6	+0.2	+0.5	50,699	50,053	50,100	49,636	42,192
367	Electronic components.....	19,931	21,088	21,612	22,329	-5.5	-2.4	-3.2	19,392	20,666	21,353	22,150	18,470
37	Transportation equipment.....	147,660	146,696	143,195	145,599	+0.7	+2.4	-1.7	148,478	145,112	142,663	143,097	135,334
372,6	Aircraft, missiles, and parts...	119,755	118,532	115,156	116,774	+1.0	+2.9	-1.4	120,186	116,907	114,947	114,821	104,330
3731,95	Shipbuilding and military tank vehicles.....	20,665	21,082	20,690	21,080	-2.0	+1.9	-1.9	20,942	21,124	20,339	20,668	22,656
38	Instruments and related products..	8,521	8,484	8,381	8,302	+0.4	+1.2	+1.0	8,403	8,348	8,307	8,271	7,653
24,25, 39	All other durable goods.....	5,295	5,363	5,539	5,666	-1.3	-3.2	-2.2	4,806	5,097	5,424	5,676	4,757
	Nondurable goods industries.....	10,198	10,078	10,144	10,450	+1.2	-0.7	-2.9	9,894	9,741	10,030	10,397	10,524
	Market categories:												
	Home goods and apparel.....	[illegible],926	4,005	4,455	4,656	-2.0	-10.1	-4.3	3,493	3,674	4,221	4,926	3,713
	Consumer staples.....	705	706	713	675	-0.1	-1.0	+5.6	677	685	722	722	699
	Equipment and defense products, except automotive.....	219,933	221,215	217,110	218,346	-0.6	+1.9	-0.6	220,090	218,415	215,437	214,687	196,885
	Automotive equipment.....	6,535	6,336	6,650	7,077	+3.1	-4.7	-6.0	6,679	6,342	6,677	6,928	7,778
	Construction materials, supplies and intermediate products.....	13,029	12,762	12,790	12,661	+2.1	-0.2	+1.0	12,552	12,573	12,652	12,741	11,851
	Other materials, supplies, and intermediate products.....	111,931	111,732	112,848	115,817	+0.2	-1.0	-2.6	110,350	109,740	111,621	114,456	107,021
	Supplementary series:[2]												
	Capital goods industries.....	263,785	263,586	259,679	262,274	+0.1	+1.5	-1.0	263,922	260,717	258,286	258,360	236,910
	Nondefense.....	133,761	135,729	135,889	137,051	-1.4	-0.1	-0.8	132,780	134,736	135,492	135,619	123,102
	Defense.....	130,024	127,857	123,790	125,223	+1.7	+3.3	-1.1	131,142	125,981	122,794	122,741	113,808
	Household durable goods industries.....	3,582	3,590	4,013	4,152	-0.2	-10.5	-3.3	3,153	3,268	3,787	4,428	3,202

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1984p	Nov. 1984r	Oct. 1984	Sept. 1984	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1984p	Nov. 1984r	Oct. 1984	Sept. 1984	Dec. 1983
	All manufacturing industries..	285,808	285,833	286,426	285,185	0.0	-0.2	+0.4	282,326	284,814	285,459	283,188	257,601
	Manufacturing industries with unfilled orders.....	198,503	198,326	198,756	197,238	+0.1	-0.2	+0.8	195,418	196,852	197,454	195,905	175,219
	Durable goods industries.....	191,168	190,428	190,476	188,915	+0.4	0.0	+0.8	188,211	189,172	189,459	187,726	169,023
	With unfilled orders.....	174,609	174,368	174,761	173,324	+0.1	-0.2	+0.8	172,163	173,476	173,986	172,337	154,078
32	Stone, clay, and glass products...	5,867	5,915	5,916	5,959	-0.8	0.0	-0.7	5,773	5,694	5,704	5,774	5,588
322	Glass containers.....	630	625	645	646	+0.8	-3.1	-0.2	608	618	635	633	625
33	Primary metals.....	20,330	20,715	20,977	21,397	-1.9	-1.2	-2.0	20,293	20,716	20,884	21,208	19,226
331	Blast furnaces, steel mills.....	9,248	9,652	9,766	10,051	-4.2	-1.2	-2.8	9,405	9,748	9,863	10,061	9,287
333-9	Nonferrous and other primary metals.....	9,846	9,784	9,952	10,097	+0.6	-1.7	-1.4	9,659	9,715	9,783	9,915	8,735
34	Fabricated metal products.....	19,536	19,345	18,892	18,785	+1.0	+2.4	+0.6	18,969	18,790	18,544	18,456	17,353
341	Metal cans, barrels, and drums..	2,707	2,309	2,000	2,073	+17.2	+15.4	-3.5	2,323	1,953	1,744	1,801	1,940
35	Machinery, except electrical.....	40,615	40,664	40,520	39,926	-0.1	+0.4	+1.5	40,125	40,469	40,260	39,669	36,284
351	Engines and turbines.....	2,176	2,304	2,327	2,290	-5.6	-1.0	+1.6	2,198	2,321	2,329	2,245	2,023
352	Farm machinery and equipment....	1,879	2,019	1,973	2,015	-6.9	+2.3	-2.1	1,837	1,914	1,859	1,967	1,877
353	Construction, mining, and material handling equipment....	6,900	6,975	7,026	7,006	-1.1	-0.7	+0.3	6,817	6,947	6,948	6,901	7,090
354	Metalworking machinery.....	2,410	2,436	2,414	2,414	-1.1	+0.9	0.0	2,381	2,445	2,427	2,395	2,218
356	General industrial machinery....	3,502	3,458	3,454	3,497	+1.3	+0.1	-1.2	3,453	3,424	3,398	3,466	3,535
357	Office and computing machines...	12,630	12,246	12,194	11,679	+3.1	+0.4	+4.4	12,491	12,283	12,254	11,749	9,799
36	Electrical machinery.....	32,778	32,623	32,479	31,852	+0.5	+0.4	+2.0	32,204	32,253	32,324	31,628	27,667
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,512	4,533	4,490	4,447	-0.5	+1.0	+1.0	4,447	4,527	4,529	4,435	4,047
363	Household appliances.....	2,592	2,617	2,579	2,498	-1.0	+1.5	+3.2	2,504	2,452	2,463	2,361	1,965
365	Radio and TV.....	1,315	1,284	1,361	1,317	+2.4	-5.7	+3.3	1,271	1,261	1,333	1,337	994
366	Communication equipment.....	13,173	12,995	12,981	12,637	+1.4	+0.1	+2.7	12,990	12,966	12,995	12,565	11,039
367	Electronic components.....	6,432	6,542	6,381	6,324	-1.7	+2.5	+0.9	6,419	6,483	6,369	6,305	5,628
37	Transportation equipment.....	47,445	46,722	47,236	46,731	+1.5	-1.1	+1.1	46,807	47,222	47,545	46,745	39,975
371	Motor vehicles and parts.....	11,297	10,785	10,924	10,684	+4.7	-1.3	+2.2	11,118	11,042	11,203	10,897	9,311
372,6	Aircraft, missiles, and parts...	33,012	32,744	33,107	32,876	+0.8	-1.1	+0.7	32,469	32,931	33,137	32,710	27,684
3731,95	Shipbuilding and military tank vehicles.....	1,339	1,360	1,393	1,415	-1.5	-2.4	-1.6	1,312	1,365	1,405	1,416	1,366
38	Instruments and related products..	9,565	9,537	9,568	9,466	+0.3	-0.3	+1.1	9,353	9,390	9,448	9,415	8,805
381-4	Scientific and engineering instruments.....	6,945	6,912	6,953	6,818	+0.5	-0.6	+2.0	6,840	6,843	6,862	6,770	6,302
386	Photographic goods.....	2,059	2,053	2,044	2,070	+0.3	+0.4	-1.3	1,954	1,996	2,029	2,070	1,975
24,25, 39	All other durable goods.....	15,032	14,907	14,888	14,799	+0.8	+0.1	+0.6	14,687	14,638	14,750	14,831	14,125
	Nondurable goods industries.....	94,640	95,405	95,950	96,270	-0.8	-0.6	-0.3	94,115	95,642	96,000	95,462	88,578
	With unfilled orders.....	23,894	23,958	23,995	23,914	-0.3	-0.2	+0.3	23,255	23,376	23,468	23,568	21,141
20	Food and kindred products.....	21,367	21,313	21,197	21,582	+0.3	+0.5	-1.8	21,933	22,733	22,473	21,890	21,441
201	Meat products.....	2,357	2,282	2,222	2,232	+3.3	+2.7	-0.4	2,260	2,362	2,238	2,131	2,016
208	Beverages.....	3,419	3,415	3,387	3,510	+0.1	+0.8	-3.5	3,460	3,401	3,397	3,433	3,348
207	Fats and oils.....	1,179	1,119	1,080	1,288	+5.4	+3.6	-16.1	1,334	1,375	1,121	989	2,010
203-6,9	All other foods.....	12,651	12,670	12,669	12,726	-0.1	0.0	-0.4	13,182	13,823	13,885	13,528	12,400
21	Tobacco products.....	3,556	3,548	3,600	3,573	+0.2	-1.4	+0.8	3,748	3,608	3,647	3,509	4,148
22	Textile mill products.....	7,077	7,132	7,380	7,349	-0.8	-3.4	+0.4	6,937	6,954	7,097	7,161	6,769
26	Paper and allied products.....	9,654	9,746	9,638	9,599	-0.9	+1.1	+0.4	9,526	9,630	9,473	9,376	8,619
261-3,6	Pulp, paper etc.....	3,525	3,588	3,544	3,549	-1.8	+1.2	-0.1	3,512	3,572	3,514	3,480	3,253
265	Paperboard containers.....	2,646	2,674	2,648	2,633	-1.0	+1.0	+0.6	2,625	2,620	2,581	2,588	2,297
264	All other paper products.....	3,483	3,484	3,446	3,417	0.0	+1.1	+0.8	3,389	3,438	3,378	3,308	3,069
28	Chemicals and allied products.....	21,953	22,100	22,350	22,508	-0.7	-1.1	-0.7	21,892	21,975	21,994	21,909	19,524
281,6	Industrial chemicals, except pigments.....	6,663	6,723	7,100	7,287	-0.9	-5.3	-2.6	6,650	6,703	6,994	7,126	5,839
283,4	Drugs, soaps, and toiletries....	6,904	6,999	6,901	6,954	-1.4	+1.4	-0.8	6,766	6,957	6,825	6,794	6,088
29	Petroleum and coal products.....	8,411	8,818	8,967	8,819	-4.6	-1.7	+1.7	8,287	9,038	9,097	8,992	8,120
30	Rubber and plastics products.....	5,950	6,043	6,141	6,186	-1.5	-1.6	-0.7	5,866	5,869	5,978	6,000	5,595
23,27, 31	All other nondurable goods.....	16,672	16,705	16,677	16,654	-0.2	+0.2	+0.1	15,926	15,835	16,241	16,625	14,362
	Market categories:												
	Home goods and apparel.....	23,016	23,013	23,128	22,927	0.0	-0.5	+0.9	22,240	21,921	22,425	22,690	20,246
	Consumer staples.....	34,150	34,278	34,070	34,261	-0.4	+0.6	-0.6	34,494	35,308	35,224	34,665	32,545
	Equipment and defense products, except automotive.....	83,497	83,196	83,276	81,778	+0.4	-0.1	+1.8	82,477	83,053	82,978	81,141	72,355
	Automotive equipment.....	13,774	13,241	13,378	13,088	+4.0	-1.0	+2.2	13,667	13,486	13,550	13,213	11,530
	Construction materials, supplies and intermediate products.....	19,523	19,974	19,824	19,755	-2.3	+0.8	+0.3	19,234	19,495	19,509	19,474	18,869
	Other materials, supplies, and intermediate products.....	111,848	112,131	112,750	113,376	-0.3	-0.5	-0.6	110,214	111,551	111,773	112,005	102,056
	Supplementary series:[2]												
	Capital goods industries.....	94,827	94,188	94,546	93,187	+0.7	-0.4	+1.5	93,325	94,154	94,395	92,651	81,885
	Nondefense.....	72,466	71,880	71,919	70,981	+0.8	-0.1	+1.3	71,203	72,076	72,146	70,723	64,330
	Defense.....	22,361	22,308	22,627	22,206	+0.2	-1.4	+1.9	22,122	22,078	22,249	21,928	17,555
	Household durable goods industries.....	11,491	11,391	11,447	11,275	+0.9	-0.5	+1.5	11,161	10,979	11,170	11,155	9,812

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Dec. 1984P	Nov. 1984r	Oct. 1984	Sept. 1984	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1984P	Nov. 1984r	Oct. 1984	Sept. 1984	Dec. 1983
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	93,141	93,259	94,087	94,226	-0.1	-0.9	-0.1	93,549	93,006	93,607	93,351	88,265
	Durable goods industries.....	56,439	56,009	56,652	56,578	+0.8	-1.1	+0.1	56,351	56,040	56,671	56,546	51,607
32	Stone, clay, and glass products...	1,893	1,931	1,963	1,980	-2.0	-1.6	-0.9	1,924	1,908	1,945	1,969	1,896
33	Primary metals.....	6,373	6,760	6,949	7,008	-5.7	-2.7	-0.8	6,615	6,939	7,003	7,025	6,669
34	Fabricated metal products.....	7,554	7,545	7,418	7,396	+0.1	+1.7	+0.3	7,486	7,381	7,322	7,362	6,871
35	Machinery, except electrical.....	11,814	11,502	11,609	12,063	+2.7	-0.9	-3.8	11,790	11,503	11,643	11,922	10,376
36	Electrical Machinery.....	8,641	8,717	8,617	8,544	-0.9	+1.2	+0.9	8,535	8,543	8,553	8,523	7,711
37	Transportation equipment.....	11,836	11,324	11,816	11,310	+4.5	-4.2	+4.5	11,702	11,458	11,789	11,328	10,131
38	Instruments and related products..	2,684	2,735	2,777	2,754	-1.9	-1.5	+0.8	2,688	2,704	2,760	2,772	2,484
24,25, 39	All other durable goods.....	5,644	5,495	5,503	5,523	+2.7	-0.1	-0.4	5,611	5,604	5,656	5,645	5,469
	Nondurable goods industries.....	36,702	37,250	37,435	37,648	-1.5	-0.5	-0.6	37,198	36,966	36,936	36,805	36,658
20	Food and kindred products.....	7,876	7,651	7,862	7,884	+2.9	-2.7	-0.3	8,143	8,059	7,947	7,442	8,621
21	Tobacco products.....	3,015	3,098	3,074	3,114	-2.7	+0.8	-1.3	3,266	3,031	2,960	2,979	3,666
22	Textile mill products.....	2,095	2,172	2,281	2,286	-3.5	-4.8	-0.2	2,099	2,099	2,124	2,188	2,106
26	Paper and allied products.....	4,847	4,972	4,890	4,918	-2.5	+1.7	-0.6	4,907	4,899	4,871	4,896	4,453
28	Chemicals and allied products.....	8,221	8,393	8,465	8,268	-2.0	-0.9	+2.4	8,203	8,190	8,307	8,219	7,635
29	Petroleum and coal products.....	2,083	2,231	2,148	2,279	-6.6	+3.9	-5.7	2,046	2,196	2,165	2,217	2,145
30	Rubber and plastics products.....	1,943	2,063	2,009	2,205	-5.8	+2.7	-8.9	2,019	2,037	2,007	2,161	2,204
23,27, 31	All other nondurable goods.....	6,622	6,670	6,706	6,694	-0.7	-0.5	+0.2	6,515	6,455	6,555	6,703	5,828
	WORK IN PROCESS												
	All manufacturing industries..	103,135	102,936	102,811	101,874	+0.2	+0.1	+0.9	101,050	102,716	103,014	101,742	90,033
	Durable goods industries.....	88,439	88,102	87,849	86,916	+0.4	+0.3	+1.1	86,795	87,911	87,904	86,692	75,954
32	Stone, clay, and glass products...	755	797	810	786	-5.3	-1.6	+3.1	719	739	759	762	763
33	Primary metals.....	7,979	8,076	8,022	8,202	-1.2	+0.7	-2.2	7,765	7,943	8,021	8,198	7,233
34	Fabricated metal products.....	7,013	7,050	6,807	6,747	-0.5	+3.6	+0.9	6,657	6,791	6,713	6,657	5,914
35	Machinery, except electrical.....	16,380	16,476	16,555	16,143	-0.6	-0.5	+2.6	16,200	16,559	16,522	16,082	14,952
36	Electrical Machinery.....	17,833	17,702	17,624	17,207	+0.7	+0.4	+2.4	17,581	17,630	17,616	17,080	14,649
37	Transportation equipment.....	30,675	30,271	30,387	30,325	+1.3	-0.4	+0.2	30,237	30,628	30,710	30,404	25,114
38	Instruments and related products..	4,099	4,071	4,049	3,996	+0.7	+0.5	+1.3	3,994	4,024	4,009	3,958	3,893
24,25, 39	All other durable goods.....	3,705	3,659	3,595	3,510	+1.3	+1.8	+2.4	3,642	3,597	3,554	3,551	3,436
	Nondurable goods industries.....	14,696	14,834	14,962	14,958	-0.9	-0.9	0.0	14,255	14,805	15,110	15,050	14,079
20	Food and kindred products.....	1,639	1,698	1,732	1,775	-3.5	-2.0	-2.4	1,703	1,728	1,730	1,745	1,768
21	Tobacco products.....	312	226	273	199	+38.1	-17.2	+37.2	272	342	435	289	251
22	Textile mill products.....	2,035	2,073	2,097	2,111	-1.8	-1.1	-0.7	1,996	2,045	2,087	2,104	2,247
26	Paper and allied products.....	1,171	1,156	1,152	1,124	+1.3	+0.3	+2.5	1,116	1,143	1,135	1,131	1,067
28	Chemicals and allied products.....	3,502	3,547	3,549	3,787	-1.3	-0.1	-6.3	3,400	3,507	3,554	3,761	3,304
29	Petroleum and coal products.....	1,523	1,568	1,652	1,548	-2.9	-5.1	+6.7	1,487	1,578	1,648	1,547	1,442
30	Rubber and plastics products.....	1,169	1,123	1,202	1,119	+4.1	-6.6	+7.4	1,142	1,129	1,201	1,128	949
23,27, 31	All other nondurable goods.....	3,345	3,443	3,305	3,295	-2.8	+4.2	+0.3	3,139	3,333	3,320	3,345	3,051
	FINISHED GOODS												
	All manufacturing industries..	89,532	89,638	89,528	89,085	-0.1	+0.1	+0.5	87,727	89,092	88,838	88,095	79,303
	Durable goods industries.....	46,290	46,317	45,975	45,421	-0.1	+0.7	+1.2	45,065	45,221	44,884	44,488	41,462
32	Stone, clay, and glass products...	3,219	3,187	3,143	3,193	+1.0	+1.4	-1.6	3,130	3,047	3,000	3,043	2,929
33	Primary metals.....	5,978	5,879	6,006	6,187	+1.7	-2.1	-2.9	5,913	5,834	5,860	5,985	5,324
34	Fabricated metal products.....	4,969	4,750	4,667	4,642	+4.6	+1.8	+0.5	4,826	4,618	4,509	4,437	4,568
35	Machinery, except electrical.....	12,421	12,686	12,356	11,720	-2.1	+2.7	+5.4	12,135	12,407	12,095	11,665	10,956
36	Electrical Machinery.....	6,304	6,204	6,238	6,101	+1.6	-0.5	+2.2	6,088	6,080	6,155	6,025	5,307
37	Transportation equipment.....	4,934	5,127	5,033	5,096	-3.8	+1.9	-1.2	4,868	5,136	5,046	5,013	4,730
38	Instruments and related products..	2,782	2,731	2,742	2,716	+1.9	-0.4	+1.0	2,671	2,662	2,679	2,685	2,428
24,25, 39	All other durable goods.....	5,683	5,753	5,790	5,766	-1.2	-0.6	+0.4	5,434	5,437	5,540	5,635	5,220
	Nondurable goods industries.....	43,242	43,321	43,553	43,664	-0.2	-0.5	-0.3	42,662	43,871	43,954	43,607	37,841
20	Food and kindred products.....	11,852	11,964	11,603	11,923	-0.9	+3.1	-2.7	12,087	12,946	12,796	12,703	11,052
21	Tobacco products.....	229	224	253	260	+2.2	-11.5	-2.7	210	235	252	241	231
22	Textile mill products.....	2,947	2,887	3,002	2,952	+2.1	-3.8	+1.7	2,842	2,810	2,886	2,869	2,416
26	Paper and allied products.....	3,636	3,618	3,596	3,557	+0.5	+0.6	+1.1	3,503	3,588	3,467	3,349	3,099
28	Chemicals and allied products.....	10,230	10,160	10,336	10,453	+0.7	-1.7	-1.1	10,289	10,278	10,133	9,929	8,585
29	Petroleum and coal products.....	4,805	5,019	5,167	4,992	-4.3	-2.9	+3.5	4,754	5,264	5,284	5,228	4,533
30	Rubber and plastics products.....	2,838	2,857	2,930	2,862	-0.7	-2.5	+2.4	2,705	2,703	2,770	2,711	2,442
23,27, 31	All other nondurable goods.....	6,705	6,592	6,666	6,665	+1.7	-1.1	0.0	6,272	6,047	6,366	6,577	5,482

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Dec. 1984P	Nov. 1984r	Oct. 1984	Sept. 1984	Dec. 1984P	Nov. 1984r	Oct. 1984	Sept. 1984
	All manufacturing industries	1.48	1.49	1.50	1.50	3.41	3.44	3.43	3.52
	Durable goods industries	1.88	1.87	1.90	1.91	4.12	4.16	4.18	4.28
32	Stone, clay, and glass products	1.25	1.26	1.27	1.32	0.60	0.56	0.56	0.59
33	Primary metals	1.95	1.87	1.88	2.02	1.83	1.73	1.75	1.89
34	Fabricated metal products	1.56	1.55	1.58	1.64	1.89	1.88	1.97	2.05
35	Machinery, except electrical	2.33	2.24	2.26	2.17	3.69	3.62	3.71	3.63
36	Electrical machinery	2.03	2.14	2.15	2.02	4.90	5.25	5.35	5.17
37	Transportation equipment	1.85	1.86	1.94	2.00	10.23	10.88	10.59	11.27
38	Instruments and related products	2.00	2.03	2.05	1.96	1.78	1.81	1.80	1.72
	Nondurable goods industries	1.03	1.06	1.06	1.06	0.50	0.49	0.49	0.51
20	Food and kindred products	0.85	0.89	0.87	0.89	(X)	(X)	(X)	(X)
21	Tobacco products	2.28	2.13	2.70	2.43	(X)	(X)	(X)	(X)
22	Textile mill products	1.56	1.66	1.65	1.59	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.17	1.19	1.20	1.21	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.22	1.26	1.26	1.29	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.52	0.54	0.55	0.51	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.39	1.34	1.47	1.40	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Dec. 1983	All Decs. 1979-1983	Dec. 1983-Nov. 1984	Year ago Dec. 1983	All Decs. 1979-1983	Dec. 1983-Nov. 1984	Year ago Dec. 1983	All Decs. 1979-1983	Dec. 1983-Nov. 1984	Year ago Dec. 1983	All Decs. 1979-1983	Dec. 1983-Nov. 1984
	All manufacturing industries.	0.1	0.6	0.3	0.6	0.6	0.4	0.4	0.3	0.1	0.0	0.2	0.0
	Durable goods industries	0.2	0.7	0.3	1.5	1.3	0.7	0.4	0.4	0.2	0.2	0.3	0.1
32	Stone, clay, and glass products..	0.5	0.9	0.7	0.7	1.4	1.1	2.5	2.0	1.5	0.1	1.0	0.4
33	Primary metals	2.9	1.0	0.6	3.3	1.8	1.7	0.3	0.4	0.7	0.2	0.6	0.2
34	Fabricated metal products	0.9	1.0	1.1	0.5	0.7	1.0	0.2	0.2	0.3	0.5	0.7	0.2
35	Machinery, except electrical	0.1	0.8	0.6	1.6	3.3	1.0	0.4	0.8	0.2	0.2	0.2	0.1
36	Electrical machinery	3.0	2.2	0.9	0.5	1.5	1.1	0.5	0.4	0.2	1.1	0.8	0.2
37	Transportstion equipment	0.6	1.8	0.6	5.2	2.8	1.2	0.9	0.4	0.1	0.2	0.8	0.2
38	Instruments and related products.	1.7	1.1	1.1	1.7	1.1	1.3	0.0	0.5	0.5	0.3	0.6	0.5
	Nondurable goods industries	0.1	0.4	0.3	0.2	0.4	0.3	1.3	0.8	0.3	0.2	0.5	0.2
20	Food and kindred products	0.2	0.8	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.6	0.4
21	Tobacco products	2.7	1.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	1.6	0.4
22	Textile mill products	0.4	1.6	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.3	0.4
26	Paper and allied products	0.2	0.9	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.5	0.3
28	Chemicals and allied products	0.2	2.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.8	0.5
29	Petroleum and coal products	0.6	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.8	0.5
30	Rubber and plastics products	1.0	1.9	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.9	0.3
	Capitsl Goods Industries:												
	Nondefense	0.2	1.3	0.6	1.1	1.0	0.9	0.2	0.4	0.1	0.2	0.9	0.1
	Defense	2.2	1.2	0.7	14.0	11.9	3.2	0.9	0.8	0.2	0.6	0.9	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1(85)-1

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

GOVERNMENT DOCUMENTS DEPARTMENT
AUG 8 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

U.S. Department of Commerce
BUREAU OF THE CENSUS

JANUARY 1985
M3-1(85)-1
For Wire Transmission 10:00 A.M. E.S.T. Tuesday, March 5, 1985

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in January declined $1.7 billion or 0.9 percent to $192.2 billion. This is the seventh decline in the last 10 months since peaking at $196.5 billion last March. The decline was caused by a drop in orders for nondurable goods of $3.6 billion or 3.9 percent to $88.3 billion, the lowest figure since $88.1 billion of October 1983. Durable goods orders increased in January $1.9 billion or 1.8 percent to $103.9 billion. This unusually large revision to the earlier reported increase of 3.8 percent was caused by the inclusion of data received from companies after the advance report was issued.

Shipments of manufactured goods decreased $3.4 billion or 1.7 percent to $192.1 billion, the largest decline since October 1982. Nondurable shipments were down $3.5 billion or 3.8 percent to $88.3 billion. Shipments of durable goods were relatively flat at $103.8 billion.

Unfilled orders at the end of January were also flat at $355.3 billion; an increase in defense orders of $3.0 billion offset declines in other categories, mainly nondefense capital goods, totaling $2.9 billion.

Manufacturers' inventories at the end of January were down $0.5 billion or 0.2 percent to $284.9 billion, the third straight monthly decline. Between January 1984 and August 1984 inventories increased at more than 1 percent per month. In September and October the increase slowed to 0.6 percent and 0.4 percent. The inventory to shipments ratio in January was 1.48, up from the December revised ratio of 1.46.

NEW ORDERS. New orders for nondurable goods declined 3.9 percent in January, as a result of declines in virtually every category. Durable goods orders increased 1.8 percent, mostly due to the primary metals and electrical machinery industries. Primary metals were up $1.3 billion or 12.5 percent to $11.3 billion, following a 7.2 percent decline in December. Electrical machinery increased $2.1 billion, primarily in defense communication equipment and electronic components. Nonelectrical machinery declined $1.4 billion or 8.8 percent to $14.9 billion. Decreases were widespread; only office and computing equipment and machine shops showed small increases.

SHIPMENTS. Nondurable goods shipments were down 3.8 percent, reflecting declines in all major industries, although nearly half or $1.5 billion was in petroleum products. Food products were down $0.5 billion, chemicals $0.4 billion, and tobacco, textiles, apparel and paper each down about $0.2 billion.

Durable goods showed little change in January, with large offsetting changes. Transportation equipment was up $2.2 billion or 8.5 percent to $28.3 billion due to a 15.7 percent increase in motor vehicles; aircraft and shipbuilding were both down. Primary metals and fabricated metals were each up $0.4 billion, but electrical and nonelectrical machinery showed large declines, down $1.4 billion or 8.0 percent and $1.3 billion or 7.3 percent respectively.

UNFILLED ORDERS. Although total unfilled orders in January showed little change from December, primary metals showed their largest increase since January a year ago, going up $0.6 billion or 3.2 percent to $19.5 billion. Electrical machinery was up $2.0 billion or 2.6 percent, nearly all of which was in the defense communication equipment category. Nonelectrical machinery and transportation equipment had the largest declines, down $1.7 billion or 2.8 percent and $0.8 billion or 0.5 percent respectively.

For the capital goods industries as a group, defense increased $3.0 billion or 2.3 percent to $132.7 billion. Nondefense declined $2.6 billion or 1.9 percent to $131.1 billion. Defense orders now exceed those held for nondefense and make up 37 percent of all unfilled orders held by manufacturers.

INVENTORIES. The inventory declines of the last three months have occurred in nondurable goods, although increases in durable goods have slowed significantly. Declines in both durable and nondurable industries were widespread. However, the capital goods industries as a group showed a sizable increase of $1.5 billion or 1.6 percent; nondefense accounted for $0.8 billion and defense $0.7 billion.

Inventories by stage of fabrication showed little change at the total levels, but there were changes in mix. Durable goods materials and supplies decreased 0.7 percent; finished goods increased 1.3 percent; nondurable materials and supplies increased 0.6 percent; and finished goods decreased 2.7 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for February is scheduled for release on March 22, 1985 at 8:30 A.M. and the full report on April 1, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	1985P	1984
	All manufacturing industries	192,078	195,487	191,978	190,521	-1.7	+1.8	+0.8	176,548	189,028	190,524	196,351	176,548	169,717
	Manufacturing industries with unfilled orders	103,649	106,263	103,677	103,247	-2.5	+2.5	+0.4	94,313	104,277	103,370	106,257	94,313	87,779
	Durable goods industries	103,786	103,681	101,778	100,427	+0.1	+1.9	+1.3	93,403	99,929	101,101	104,269	93,403	85,815
	With unfilled orders	83,340	85,395	83,238	82,451	-2.4	+2.6	+1.0	75,296	84,100	82,705	84,621	75,296	69,131
32	Stone, clay, and glass products	4,719	4,669	4,703	4,666	+1.1	-0.7	+0.8	3,975	4,101	4,639	4,998	3,975	3,758
322	Glass containers	386	358	394	394	+7.8	-9.1	0.0	354	312	365	398	354	332
33	Primary metals	10,729	10,363	11,105	11,146	+3.5	-6.7	-0.4	10,481	9,447	10,477	11,157	10,481	10,526
331	Blast furnaces, steel mills	4,602	4,223	4,576	4,783	+9.0	-7.7	-4.3	4,565	3,936	4,315	4,659	4,565	4,300
333-9	Nonferrous and other primary metals	4,884	4,939	5,281	5,094	-1.1	-6.5	+3.7	4,747	4,494	4,938	5,175	4,747	5,019
34	Fabricated metal products	13,065	12,688	12,484	11,934	+3.0	+1.6	+4.6	11,756	11,735	12,222	12,539	11,756	9,891
341	Metal cans, barrels, and drums	889	877	916	882	+1.4	-4.3	+3.9	766	734	768	845	766	744
35	Machinery, except electrical	16,635	17,948	18,171	17,941	-7.3	-1.2	+1.3	14,705	19,380	17,850	17,948	14,705	14,429
351	Engines and turbines	1,139	1,416	1,239	1,170	-19.6	+14.3	+5.9	1,082	1,354	1,163	1,135	1,082	1,103
352	Farm machinery and equipment	637	791	819	994	-19.5	-3.4	-17.6	600	673	695	1,104	600	800
353	Construction, mining, and material handling equipment	2,571	2,666	2,834	2,895	-3.6	-5.9	-2.1	2,355	2,647	2,718	2,869	2,355	2,329
354	Metalworking machinery	875	970	858	926	-9.8	+13.1	-7.3	776	993	835	976	776	692
356	General industrial machinery	1,492	1,324	1,399	1,481	+12.7	-5.4	-5.5	1,336	1,366	1,356	1,556	1,336	1,254
357	Office and computing machines	4,173	4,810	5,151	4,513	-13.2	-6.6	+14.1	3,146	6,748	5,429	4,337	3,146	3,118
36	Electrical machinery	15,466	16,817	15,256	15,114	-8.0	+10.2	+0.9	14,169	16,540	15,340	15,603	14,169	13,129
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,059	2,377	2,073	2,058	-13.4	+14.7	+0.7	1,936	2,337	2,035	2,036	1,936	1,817
363	Household appliances	1,527	1,420	1,329	1,389	+7.5	+6.8	-4.3	1,320	1,293	1,256	1,449	1,320	1,308
365	Radio and TV	979	876	827	855	+11.8	+5.9	-3.3	827	885	918	991	827	790
366	Communication equipment	4,820	5,659	4,936	4,568	-14.8	+14.6	+8.1	4,389	5,830	4,846	4,613	4,389	3,602
367	Electronic components	3,498	3,877	3,665	3,785	-9.8	+5.8	-3.2	3,282	3,652	3,702	3,807	3,282	3,208
37	Transportation equipment	28,254	26,041	25,116	24,317	+8.5	+3.7	+3.3	25,453	24,488	25,695	25,785	25,453	21,819
371	Motor vehicles and parts	19,659	16,985	16,710	15,851	+15.7	+1.6	+5.4	18,042	14,356	17,260	17,498	18,042	15,372
372,6	Aircraft, missiles, and parts	7,036	7,300	6,801	6,871	-3.6	+7.3	-1.0	5,981	8,283	6,920	6,699	5,981	5,002
3731,95	Shipbuilding and military tank vehicles	788	1,049	848	894	-24.9	+23.7	-5.1	722	1,189	834	888	722	722
38	Instruments and related products	4,838	4,819	4,688	4,660	+0.4	+2.8	+0.6	4,358	4,940	4,788	4,809	4,358	4,041
381-4	Scientific and engineering instruments	2,922	3,051	2,917	2,790	-4.2	+4.6	+4.6	2,750	3,161	2,894	2,827	2,750	2,527
386	Photographic goods	1,742	1,599	1,575	1,675	+8.9	+1.5	-6.0	1,460	1,630	1,700	1,768	1,460	1,358
24,25, 39	All other durable goods	10,080	10,336	10,255	10,649	-2.5	+0.8	-3.7	8,506	9,298	10,090	11,430	8,506	8,222
	Nondurable goods industries	88,292	91,806	90,200	90,094	-3.8	+1.8	+0.1	83,145	89,099	89,423	92,082	83,145	83,902
	With unfilled orders	20,309	20,868	20,439	20,796	-2.7	+2.1	-1.7	19,017	20,177	20,665	21,636	19,017	18,648
20	Food and kindred products	24,466	24,942	24,040	24,287	-1.9	+3.8	-1.0	22,606	24,766	24,293	25,101	22,606	22,701
201	Meat products	5,904	6,005	5,724	5,706	-1.7	+4.9	+0.3	5,691	6,017	5,758	5,980	5,691	5,601
208	Beverages	3,443	3,367	3,290	3,382	+2.3	+2.3	-2.7	2,906	2,994	3,329	3,562	2,906	2,889
207	Fats and oils	1,141	1,201	1,205	1,130	-5.0	-0.3	+6.6	1,133	1,233	1,246	1,139	1,133	1,469
203-6,9	All other foods	10,815	11,179	10,644	10,886	-3.2	+5.0	-2.2	9,896	11,391	10,771	11,256	9,896	9,675
21	Tobacco products	1,328	1,563	1,662	1,335	-15.0	-6.0	+24.5	1,208	1,717	1,343	1,379	1,208	1,035
22	Textile mill products	4,214	4,458	4,287	4,475	-5.5	+4.0	-4.2	3,710	4,157	4,274	4,659	3,710	4,202
26	Paper and allied products	8,067	8,329	8,159	8,034	-3.1	+2.1	+1.6	7,770	7,721	7,860	8,149	7,770	7,459
261-3,6	Pulp, paper etc.	3,487	3,634	3,463	3,418	-4.0	+4.9	+1.3	3,305	3,358	3,439	3,418	3,305	3,171
265	Paperboard containers	1,884	1,832	1,855	1,873	+2.8	-1.2	-1.0	1,773	1,658	1,796	1,972	1,773	1,682
264	All other paper products	2,696	2,863	2,841	2,743	-5.8	+0.8	+3.6	2,692	2,705	2,625	2,759	2,692	2,606
28	Chemicals and allied products	17,815	18,174	17,584	17,704	-2.0	+3.4	-0.7	17,200	17,516	16,491	16,916	17,200	16,485
281,6	Industrial chemicals, except pigments	5,780	5,794	6,012	5,921	-0.2	-3.6	+1.5	5,445	5,695	5,675	5,625	5,445	5,281
283,4	Drugs, soaps, and toiletries	4,705	4,637	4,458	4,462	+1.5	+4.0	-0.1	4,489	4,679	4,302	4,471	4,489	4,134
29	Petroleum and coal products	14,450	15,996	16,332	16,313	-9.7	-2.1	+0.1	14,349	16,318	16,340	16,412	14,349	15,582
30	Rubber and plastics products	4,214	4,304	4,524	4,171	-2.1	-4.9	+8.5	3,935	3,861	4,320	4,427	3,935	3,985
23,27, 31	All other nondurable goods	13,738	14,040	13,612	13,775	-2.2	+3.1	-1.2	12,367	13,043	14,502	15,039	12,367	12,453
	Market categories:													
	Home goods and apparel	12,603	12,946	12,664	12,882	-2.6	+2.2	-1.7	10,715	11,025	13,139	14,316	10,715	11,296
	Consumer staples	34,158	34,726	33,521	33,609	-1.6	+3.6	-0.3	31,464	34,767	33,673	34,727	31,464	30,269
	Equipment and defense products, except automotive	28,089	30,847	29,690	28,824	-8.9	+3.9	+3.0	24,621	33,867	29,394	28,823	24,621	22,771
	Automotive equipment	21,665	18,890	18,661	17,722	+14.7	+1.2	+5.3	19,770	15,935	19,038	19,514	19,770	17,128
	Construction materials, supplies and intermediate products	16,340	16,119	15,709	15,303	+1.4	+2.6	+2.7	13,733	14,739	15,318	16,177	13,733	11,699
	Other materials, supplies, and intermediate products	79,223	81,959	81,733	82,181	-3.3	+0.3	-0.5	76,245	78,695	79,962	82,794	76,245	76,554
	Supplementary series:[2]													
	Capital goods industries	32,287	35,305	33,562	32,891	-8.5	+5.2	+2.0	28,539	38,311	33,555	32,863	28,539	26,361
	Nondefense	25,698	28,681	27,287	26,541	-10.4	+5.1	+2.8	22,745	31,106	27,259	26,497	22,745	21,320
	Defense	6,589	6,624	6,275	6,350	-0.5	+5.6	-1.2	5,794	7,205	6,296	6,366	5,794	5,041
	Household durable goods industries	6,204	6,236	6,282	6,618	-0.5	-0.7	-5.1	5,280	5,657	6,362	7,230	5,280	5,092

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	1985P	1984
	All manufacturing industries	192,180	193,914	194,168	185,856	-0.9	-0.1	+4.5	181,100	190,556	190,615	193,225	181,100	178,284
	Manufacturing industries with unfilled orders	103,751	104,689	105,867	98,582	-0.9	-1.1	+7.4	98,865	105,805	103,461	103,131	98,865	96,346
	Durable goods industries	103,861	101,988	104,037	96,067	+1.8	-2.0	+8.3	97,632	101,304	101,483	101,507	97,632	94,005
	With unfilled orders	83,415	83,702	85,497	78,091	-0.3	-2.1	+9.5	79,525	85,475	83,087	81,859	79,525	77,321
32	Stone, clay, and glass products	4,705	4,787	4,694	4,648	-1.7	+2.0	+1.0	4,041	4,150	4,636	4,952	4,041	3,917
33	Primary metals	11,329	10,067	10,848	10,597	+12.5	-7.2	+2.4	11,819	9,536	10,241	10,474	11,819	12,184
331	Blast furnaces, steel mills	4,969	4,585	4,652	4,613	+8.4	-1.4	+0.8	5,409	4,291	4,396	4,462	5,409	5,345
333-9	Nonferrous and other primary metals	4,984	4,415	5,041	4,808	+12.9	-12.4	+4.8	5,073	4,319	4,688	4,740	5,073	5,473
34	Fabricated metal products	12,906	13,003	12,426	12,054	-0.7	+4.6	+3.1	11,766	11,972	11,952	12,376	11,766	10,117
35	Machinery, except electrical	14,947	16,389	18,082	16,962	-8.8	-9.4	+6.6	13,844	18,278	17,685	17,412	13,844	16,119
351	Engines and turbines	874	1,613	1,290	725	-45.8	+25.0	+77.9	792	1,334	1,046	1,172	792	992
353	Construction, mining, and material handling equipment	2,615	2,614	2,694	2,872	0.0	-3.0	-6.2	2,452	2,548	2,657	2,846	2,452	2,417
354	Metalworking machinery	928	1,205	930	846	-23.0	+29.6	+9.9	888	1,109	904	930	888	798
356	General industrial machinery	1,220	1,279	1,538	1,395	-4.6	-16.8	+10.3	1,211	1,278	1,440	1,474	1,211	1,389
357	Office and computing machines	3,065	2,829	5,210	4,379	+8.3	-45.7	+19.0	2,336	5,705	5,464	3,986	2,336	3,856
36	Electrical machinery	17,490	15,399	14,497	14,631	+13.6	+6.2	-0.9	16,837	15,332	14,235	14,918	16,837	15,056
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,121	2,517	1,974	2,103	-15.7	+27.5	-6.1	2,097	2,420	1,894	2,063	2,097	1,918
363	Household appliances	1,499	1,401	1,355	1,364	+7.0	+3.4	-0.7	1,347	1,290	1,244	1,375	1,347	1,383
365	Radio and TV	976	819	595	822	+19.2	+37.6	-27.6	794	861	718	676	794	744
366	Communication equipment	7,241	5,829	5,020	4,794	+24.2	+16.1	+4.7	7,138	6,347	4,799	5,079	7,138	4,461
367	Electronic components	3,081	2,210	3,141	3,068	+39.4	-29.6	+2.4	3,046	1,883	3,016	3,010	3,046	4,132
37	Transportation equipment	27,448	26,899	28,619	21,912	+2.0	-6.0	+30.6	26,119	27,746	28,144	25,351	26,119	23,866
372,6	Aircraft, missiles, and parts	6,636	8,683	10,179	5,252	-23.6	-14.7	+93.8	6,623	11,724	8,878	6,825	6,623	6,366
731,95	Shipbuilding and military tank vehicles	568	546	1,240	504	+4.0	-56.0	+146.0	762	921	1,620	559	762	847
38	Instruments and related products	4,881	5,045	4,791	4,741	-3.3	+5.3	+1.1	4,501	5,178	4,828	4,846	4,501	4,232
4,25, 39	All other durable goods	10,155	10,399	10,080	10,522	-2.3	+3.2	-4.2	8,705	9,112	9,762	11,178	8,705	8,514
	Nondurable goods industries	88,319	91,926	90,131	89,789	-3.9	+2.0	+0.4	83,468	89,252	89,132	91,718	83,468	84,279
	With unfilled orders	20,336	20,987	20,370	20,491	-3.1	+3.0	-0.6	19,340	20,330	20,374	21,272	19,340	19,025
	Market categories:													
	Home goods and apparel	12,884	12,958	12,215	12,681	-0.6	+6.1	-3.7	11,022	10,902	12,592	13,613	11,022	11,638
	Consumer staples	34,151	34,734	33,514	33,647	-1.7	+3.6	-0.4	31,554	34,768	33,635	34,727	31,554	30,352
	Equipment and defense products, except automotive	28,295	29,176	33,794	27,589	-3.0	-13.7	+22.5	27,564	35,163	32,369	29,573	27,564	26,849
	Automotive equipment	21,533	18,903	18,347	17,295	+13.9	+3.0	+6.1	19,790	16,081	18,704	19,263	19,790	17,561
	Construction materials, supplies and intermediate products	16,182	16,399	15,682	15,433	-1.3	+4.6	+1.6	13,739	14,732	15,239	16,089	13,739	11,802
	Other materials, supplies, and intermediate products	79,135	81,744	80,616	79,211	-3.2	+1.4	+1.8	77,431	78,910	78,076	79,960	77,431	80,082
	Supplementary series:[2]													
	Capital goods industries	32,657	35,170	37,469	30,294	-7.1	-6.1	+23.7	31,470	41,190	35,982	32,788	31,470	30,604
	Nondefense	23,112	26,624	27,126	25,378	-13.2	-1.9	+6.9	22,188	29,063	26,499	26,368	22,188	24,216
	Defense	9,545	8,546	10,343	4,916	+11.7	-17.4	+110.4	9,282	12,127	9,483	6,420	9,282	6,388
	Household durable goods industries	6,451	6,263	5,860	6,480	+3.0	+6.9	-9.6	5,567	5,544	5,843	6,590	5,567	5,456

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1985p	Dec. 1984r	Nov. 1984	Oct. 1984	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1985p	Dec. 1984r	Nov. 1984	Oct. 1984	Jan. 1984
	All manufacturing industries..	355,278	355,184	356,756	354,566	0.0	-0.4	+0.6	357,510	352,952	351,429	351,330	336,515
	Durable goods industries.....	345,055	344,989	346,678	344,422	0.0	-0.5	+0.7	347,293	343,060	341,688	341,300	325,614
32	Stone, clay, and glass products...	2,502	2,517	2,398	2,408	-0.6	+5.0	-0.4	2,462	2,396	2,346	2,349	2,103
33	Primary metals.....	19,539	18,939	19,232	19,490	+3.2	-1.5	-1.3	19,820	18,482	18,394	18,629	21,966
331	Blast furnaces, steel mills.....	9,120	8,753	8,390	8,314	+4.2	+4.3	+0.9	9,229	8,385	8,030	7,948	10,735
333-9	Nonferrous and other primary metals.....	7,321	7,221	7,744	7,985	+1.4	-6.8	-3.0	7,438	7,112	7,288	7,538	8,526
34	Fabricated metal products.....	21,845	22,006	21,691	21,749	-0.7	+1.5	-0.3	21,555	21,545	21,309	21,579	20,351
35	Machinery, except electrical.....	59,505	61,193	62,755	62,842	-2.8	-2.5	-0.1	60,081	60,941	62,045	62,206	59,826
351	Engines and turbines.....	14,920	15,184	14,989	14,937	-1.7	+1.3	+0.3	14,874	15,165	15,186	15,301	14,610
353	Construction, mining, and material handling equipment....	5,996	5,952	6,004	6,144	+0.7	-0.9	-2.3	5,990	5,892	5,992	6,052	5,756
354	Metalworking machinery.....	3,774	3,721	3,486	3,414	+1.4	+6.7	+2.1	3,755	3,643	3,528	3,458	2,480
356	General industrial machinery....	4,536	4,808	4,854	4,715	-5.7	-0.9	+2.9	4,554	4,678	4,766	4,682	4,781
357	Office and computing machines...	19,007	20,114	22,095	22,036	-5.5	-9.0	+0.3	19,425	20,235	21,278	21,243	20,884
36	Electrical machinery.....	80,663	78,642	80,059	80,818	+2.6	-1.8	-0.9	80,495	77,827	79,037	80,143	71,093
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,288	6,227	6,086	6,185	+1.0	+2.3	-1.6	6,254	6,094	6,011	6,151	6,340
363	Household appliances.....	395	424	442	416	-6.8	-4.1	+6.3	390	363	366	378	537
365	Radio and TV.....	432	435	492	724	-0.7	-11.6	-32.0	402	435	460	660	350
366	Communication equipment.....	53,056	50,635	50,467	50,383	+4.8	+0.3	+0.2	53,319	50,569	50,053	50,100	43,051
367	Electronic components.....	19,003	19,421	21,088	21,612	-2.2	-7.9	-2.4	18,661	18,896	20,666	21,353	19,394
37	Transportation equipment.....	146,747	147,554	146,696	143,195	-0.5	+0.6	+2.4	149,041	148,372	145,112	142,663	137,382
372,6	Aircraft, missiles, and parts...	119,515	119,916	118,532	115,156	-0.3	+1.2	+2.9	120,991	120,349	116,907	114,947	105,695
3731,95	Shipbuilding and military tank vehicles.....	20,358	20,578	21,082	20,690	-1.1	-2.4	+1.9	20,898	20,857	21,124	20,339	22,781
38	Instruments and related products..	8,753	8,710	8,484	8,381	+0.5	+2.7	+1.2	8,730	8,587	8,348	8,307	7,844
24,25, 39	All other durable goods.....	5,501	5,428	5,363	5,539	+1.3	+1.2	-3.2	5,109	4,910	5,097	5,424	5,049
	Nondurable goods industries.....	10,223	10,195	10,078	10,144	+0.3	+1.2	-0.7	10,217	9,892	9,741	10,030	10,901
	Market categories:												
	Home goods and apparel.....	4,298	4,019	4,005	4,455	+6.9	+0.3	-10.1	3,858	3,551	3,674	4,221	4,056
	Consumer staples.....	705	713	706	713	-1.1	+1.0	-1.0	776	685	685	722	782
	Equipment and defense products, except automotive.....	219,746	219,541	221,215	217,110	+0.1	-0.8	+1.9	222,655	219,708	218,415	215,437	200,964
	Automotive equipment.....	6,217	6,349	6,336	6,650	-2.1	+0.2	-4.7	6,510	6,489	6,342	6,677	8,211
	Construction materials, supplies and intermediate products.....	12,882	13,042	12,762	12,790	-1.2	+2.2	-0.2	12,572	12,566	12,573	12,652	11,954
	Other materials, supplies, and intermediate products.....	111,430	111,520	111,732	112,848	-0.1	-0.2	-1.0	111,139	109,953	109,740	111,621	110,548
	Supplementary series:[2]												
	Capital goods industries.....	263,817	263,448	263,586	259,679	+0.1	-0.1	+1.5	266,527	263,595	260,717	258,286	241,153
	Nondefense.....	131,084	133,671	135,729	135,889	-1.9	-1.5	-0.1	132,136	132,692	134,736	135,492	125,998
	Defense.....	132,733	129,777	127,857	123,790	+2.3	+1.5	+3.3	134,391	130,903	125,981	122,794	115,155
	Household durable goods industries.....	3,863	3,619	3,590	4,013	+6.7	+0.8	-10.5	3,442	3,155	3,268	3,787	3,567

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	Jan. 1984
	All manufacturing industries..	284,888	285,414	285,833	286,426	-0.2	-0.1	-0.2	284,483	281,960	284,814	285,459	260,807
	Manufacturing industries with unfilled orders.....	198,872	198,065	198,326	198,756	+0.4	-0.1	-0.2	197,336	194,997	196,852	197,454	176,837
	Durable goods industries.....	191,290	190,823	190,428	190,476	+0.2	+0.2	0.0	190,298	187,888	189,172	189,459	170,750
	With unfilled orders.....	174,829	174,279	174,368	174,761	+0.3	-0.1	-0.2	173,741	171,841	173,476	173,986	155,301
32	Stone, clay, and glass products...	5,715	5,878	5,915	5,916	-2.8	-0.6	0.0	5,702	5,782	5,694	5,704	5,590
322	Glass containers.....	621	653	625	645	-4.9	+4.5	-3.1	601	630	618	635	610
33	Primary metals.....	19,376	20,419	20,715	20,977	-5.1	-1.4	-1.2	19,639	20,383	20,716	20,884	19,269
331	Blast furnaces, steel mills.....	8,852	9,291	9,652	9,766	-4.7	-3.7	-1.2	9,029	9,449	9,748	9,863	9,070
333-9	Nonferrous and other primary metals.....	9,230	9,888	9,784	9,952	-6.7	+1.1	-1.7	9,322	9,701	9,715	9,783	8,973
34	Fabricated metal products.....	19,124	19,400	19,345	18,892	-1.4	+0.3	+2.4	19,043	18,847	18,790	18,544	17,686
341	Metal cans, barrels, and drums..	2,417	2,598	2,309	2,000	-7.0	+12.5	+15.4	2,436	2,229	1,953	1,744	2,165
35	Machinery, except electrical.....	41,475	40,623	40,664	40,520	+2.1	-0.1	+0.4	41,217	40,134	40,469	40,260	36,706
351	Engines and turbines.....	2,230	2,130	2,304	2,327	+4.7	-7.6	-1.0	2,256	2,154	2,321	2,329	2,059
352	Farm machinery and equipment....	1,970	1,895	2,019	1,973	+4.0	-6.1	+2.3	1,949	1,853	1,914	1,859	1,961
353	Construction, mining, and material handling equipment....	6,814	6,920	6,975	7,026	-1.5	-0.8	-0.7	6,773	6,837	6,947	6,948	7,119
354	Metalworking machinery.....	2,575	2,427	2,436	2,414	+6.1	-0.4	+0.9	2,559	2,398	2,445	2,427	2,249
356	General industrial machinery....	3,504	3,503	3,458	3,454	0.0	+1.3	+0.1	3,532	3,454	3,424	3,398	3,512
357	Office and computing machines...	12,745	12,597	12,246	12,194	+1.2	+2.9	+0.4	12,579	12,458	12,283	12,254	9,756
36	Electrical machinery.....	33,010	32,524	32,623	32,479	+1.5	-0.3	+0.4	32,539	31,956	32,253	32,324	27,727
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,682	4,514	4,533	4,490	+3.7	-0.4	+1.0	4,595	4,450	4,527	4,529	4,095
363	Household appliances.....	2,567	2,582	2,617	2,579	-0.6	-1.3	+1.5	2,531	2,495	2,452	2,463	1,961
365	Radio and TV.....	1,390	1,362	1,284	1,361	+2.1	+6.1	-5.7	1,334	1,316	1,261	1,333	961
366	Communication equipment.....	13,176	12,938	12,995	12,981	+1.8	-0.4	+0.1	13,075	12,758	12,966	12,995	11,090
367	Electronic components.....	6,595	6,460	6,542	6,381	+2.1	-1.3	+2.5	6,496	6,447	6,483	6,369	5,604
37	Transportation equipment.....	47,611	47,350	46,722	47,236	+0.6	+1.3	-1.1	47,341	46,714	47,222	47,545	40,505
371	Motor vehicles and parts.....	11,042	11,289	10,785	10,924	-2.2	+4.7	-1.3	11,138	11,110	11,042	11,203	9,702
372,6	Aircraft, missiles, and parts...	33,483	32,960	32,744	33,107	+1.6	+0.7	-1.1	33,022	32,415	32,931	33,137	27,927
3731,95	Shipbuilding and military tank vehicles.....	1,305	1,298	1,360	1,393	+0.5	-4.6	-2.4	1,290	1,274	1,365	1,405	1,299
38	Instruments and related products..	9,508	9,469	9,537	9,568	+0.4	-0.7	-0.3	9,408	9,260	9,390	9,448	8,736
381-4	Scientific and engineering instruments.....	6,830	6,840	6,912	6,953	-0.1	-1.0	-0.6	6,782	6,738	6,843	6,862	6,295
386	Photographic goods.....	2,069	2,060	2,053	2,044	+0.4	+0.3	+0.4	2,021	1,955	1,996	2,029	1,906
24,25, 39	All other durable goods.....	15,471	15,160	14,907	14,888	+2.1	+1.7	+0.1	15,409	14,812	14,638	14,750	14,531
	Nondurable goods industries.....	93,598	94,591	95,405	95,950	-1.0	-0.9	-0.6	94,185	94,072	95,642	96,000	90,057
	With unfilled orders.....	24,043	23,786	23,958	23,995	+1.1	-0.7	-0.2	23,595	23,156	23,376	23,468	21,536
20	Food and kindred products.....	21,260	21,415	21,313	21,197	-0.7	+0.5	+0.5	21,913	21,980	22,733	22,473	21,713
201	Meat products.....	2,245	2,338	2,282	2,222	-4.0	+2.5	+2.7	2,270	2,242	2,362	2,238	2,139
208	Beverages.....	3,420	3,436	3,415	3,387	-0.5	+0.6	+0.8	3,492	3,477	3,401	3,397	3,428
207	Fats and oils.....	1,107	1,193	1,119	1,080	-7.2	+6.6	+3.6	1,263	1,349	1,375	1,121	1,980
203-6,9	All other foods.....	12,697	12,619	12,670	12,669	+0.6	-0.4	0.0	13,104	13,149	13,823	13,885	12,456
21	Tobacco products.....	3,579	3,555	3,548	3,600	+0.7	+0.2	-1.4	3,833	3,747	3,608	3,647	4,145
22	Textile mill products.....	6,926	7,000	7,132	7,380	-1.1	-1.9	-3.4	6,952	6,862	6,954	7,097	6,981
26	Paper and allied products.....	9,948	9,701	9,746	9,638	+2.5	-0.5	+1.1	9,791	9,575	9,630	9,473	8,690
261-3,6	Pulp, paper etc.....	3,802	3,662	3,588	3,544	+3.8	+2.1	+1.2	3,757	3,648	3,572	3,514	3,220
265	Paperboard containers.....	2,700	2,630	2,674	2,648	+2.7	-1.6	+1.0	2,651	2,609	2,620	2,581	2,301
264	All other paper products.....	3,446	3,409	3,484	3,446	+1.1	-2.2	+1.1	3,383	3,318	3,438	3,378	3,169
28	Chemicals and allied products.....	21,263	21,940	22,100	22,350	-3.1	-0.7	-1.1	21,512	21,874	21,975	21,994	19,733
281,6	Industrial chemicals, except pigments.....	6,556	6,680	6,723	7,100	-1.9	-0.6	-5.3	6,668	6,666	6,703	6,994	6,039
283,4	Drugs, soaps, and toiletries....	6,793	6,967	6,999	6,901	-2.5	-0.5	+1.4	6,718	6,827	6,957	6,825	6,248
29	Petroleum and coal products.....	8,222	8,469	8,818	8,967	-2.9	-4.0	-1.7	8,273	8,345	9,038	9,097	8,216
30	Rubber and plastics products.....	5,824	5,979	6,043	6,141	-2.6	-1.1	-1.6	5,828	5,893	5,869	5,978	5,686
23,27, 31	All other nondurable goods.....	16,576	16,532	16,705	16,677	+0.3	-1.0	+0.2	16,083	15,796	15,835	16,241	14,893
	Market categories:												
	Home goods and apparel.....	23,075	23,012	23,013	23,128	+0.3	0.0	-0.5	22,685	22,237	21,921	22,425	20,930
	Consumer staples.....	34,133	34,258	34,278	34,070	-0.4	-0.1	+0.6	34,709	34,599	35,308	35,224	33,091
	Equipment and defense products, except automotive.....	84,363	83,050	83,196	83,276	+1.6	-0.2	-0.1	83,667	82,043	83,053	82,978	72,878
	Automotive equipment.....	13,527	13,760	13,241	13,378	-1.7	+3.9	-1.0	13,740	13,653	13,486	13,550	11,899
	Construction materials, supplies and intermediate products.....	19,484	19,570	19,974	19,824	-0.4	-2.0	+0.8	19,412	19,280	19,495	19,509	18,985
	Other materials, supplies, and intermediate products.....	110,306	111,764	112,131	112,750	-1.3	-0.3	-0.5	110,270	110,148	111,551	111,773	103,024
	Supplementary series:[2]												
	Capital goods industries.....	95,888	94,395	94,188	94,546	+1.6	+0.2	-0.4	94,909	92,903	94,154	94,395	82,465
	Nondefense.....	72,929	72,108	71,880	71,919	+1.1	+0.3	-0.1	72,369	70,858	72,076	72,146	64,975
	Defense.....	22,959	22,287	22,308	22,627	+3.0	-0.1	-1.4	22,540	22,045	22,078	22,249	17,490
	Household durable goods industries.....	11,797	11,594	11,391	11,447	+1.8	+1.8	-0.5	11,621	11,259	10,979	11,170	10,003

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Jan. 1985[p]	Dec. 1984[r]	Nov. 1984	Oct. 1984	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1985[p]	Dec. 1984[r]	Nov. 1984	Oct. 1984	Jan. 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	92,817	93,007	93,259	94,087	-0.2	-0.3	-0.9	93,309	93,429	93,006	93,607	89,015
	Durable goods industries.....	56,007	56,406	56,009	56,652	-0.7	+0.7	-1.1	55,972	56,325	56,040	56,671	51,911
32	Stone, clay, and glass products...	1,802	1,883	1,931	1,963	-4.3	-2.5	-1.6	1,820	1,914	1,908	1,945	1,859
33	Primary metals.....	6,083	6,408	6,760	6,949	-5.1	-5.2	-2.7	6,242	6,651	6,939	7,003	6,417
34	Fabricated metal products.....	7,313	7,531	7,545	7,418	-2.9	-0.2	+1.7	7,348	7,467	7,381	7,322	6,955
35	Machinery, except electrical.....	11,855	11,757	11,502	11,609	+0.8	+2.2	-0.9	11,842	11,734	11,503	11,643	10,631
36	Electrical Machinery.....	8,708	8,730	8,717	8,617	-0.3	+0.1	+1.2	8,681	8,624	8,543	8,553	7,707
37	Transportation equipment.....	11,803	11,807	11,324	11,816	0.0	+4.3	-4.2	11,586	11,674	11,458	11,789	10,519
38	Instruments and related products..	2,725	2,640	2,735	2,777	+3.2	-3.5	-1.5	2,723	2,644	2,704	2,760	2,387
24,25, 39	All other durable goods.....	5,718	5,650	5,495	5,503	+1.2	+2.8	-0.1	5,730	5,617	5,604	5,656	5,436
	Nondurable goods industries.....	36,810	36,601	37,250	37,435	+0.6	-1.7	-0.5	37,337	37,104	36,966	36,936	37,104
20	Food and kindred products.....	7,853	7,853	7,651	7,862	0.0	+2.6	-2.7	8,202	8,118	8,059	7,947	8,692
21	Tobacco products.....	2,992	3,012	3,098	3,074	-0.7	-2.8	+0.8	3,303	3,263	3,031	2,960	3,599
22	Textile mill products.....	2,152	2,117	2,172	2,281	+1.7	-2.5	-4.8	2,203	2,121	2,099	2,124	2,177
26	Paper and allied products.....	4,966	4,867	4,972	4,890	+2.0	-2.1	+1.7	4,914	4,929	4,899	4,871	4,442
28	Chemicals and allied products.....	8,218	8,257	8,393	8,465	-0.5	-1.6	-0.9	8,268	8,236	8,190	8,307	7,762
29	Petroleum and coal products.....	2,109	2,072	2,231	2,148	+1.8	-7.1	+3.9	2,063	2,035	2,196	2,165	2,291
30	Rubber and plastics products.....	1,958	2,017	2,063	2,009	-2.9	-2.2	+2.7	1,975	2,093	2,037	2,007	2,160
23,27, 31	All other nondurable goods.....	6,562	6,406	6,670	6,706	+2.4	-4.0	-0.5	6,409	6,309	6,455	6,555	5,981
	WORK IN PROCESS												
	All manufacturing industries..	102,888	102,652	102,936	102,811	+0.2	-0.3	+0.1	102,328	100,579	102,716	103,014	91,243
	Durable goods industries.....	88,111	87,841	88,102	87,849	+0.3	-0.3	+0.3	87,750	86,216	87,911	87,904	76,774
32	Stone, clay, and glass products...	785	793	797	810	-1.0	-0.5	-1.6	770	755	739	759	779
33	Primary metals.....	7,415	7,976	8,076	8,022	-7.0	-1.2	+0.7	7,542	7,763	7,943	8,021	7,373
34	Fabricated metal products.....	6,882	6,913	7,050	6,807	-0.4	-1.9	+3.6	6,763	6,565	6,791	6,713	6,064
35	Machinery, except electrical.....	16,639	16,366	16,476	16,555	+1.7	-0.7	-0.5	16,654	16,187	16,559	16,522	15,019
36	Electrical Machinery.....	17,886	17,446	17,702	17,624	+2.5	-1.4	+0.4	17,635	17,201	17,630	17,616	14,756
37	Transportation equipment.....	30,716	30,628	30,271	30,387	+0.3	+1.2	-0.4	30,640	30,190	30,628	30,710	25,392
38	Instruments and related products..	4,053	4,076	4,071	4,049	-0.6	+0.1	+0.5	4,009	3,972	4,024	4,009	3,847
24,25, 39	All other durable goods.....	3,735	3,643	3,659	3,595	+2.5	-0.4	+1.8	3,737	3,583	3,597	3,554	3,544
	Nondurable goods industries.....	14,777	14,811	14,834	14,962	-0.2	-0.2	-0.9	14,578	14,363	14,805	15,110	14,469
20	Food and kindred products.....	1,663	1,676	1,698	1,732	-0.8	-1.3	-2.0	1,704	1,741	1,728	1,730	1,800
21	Tobacco products.....	294	315	226	273	-6.7	+39.4	-17.2	243	275	342	435	259
22	Textile mill products.....	1,951	2,014	2,073	2,097	-3.1	-2.8	-1.1	1,960	1,975	2,045	2,087	2,280
26	Paper and allied products.....	1,154	1,179	1,156	1,152	-2.1	+2.0	+0.3	1,122	1,124	1,143	1,135	1,085
28	Chemicals and allied products.....	3,573	3,442	3,547	3,549	+3.8	-3.0	-0.1	3,563	3,341	3,507	3,554	3,272
29	Petroleum and coal products.....	1,521	1,523	1,568	1,652	-0.1	-2.9	-5.1	1,485	1,487	1,578	1,648	1,517
30	Rubber and plastics products.....	1,090	1,146	1,123	1,202	-4.9	+2.0	-6.6	1,103	1,119	1,129	1,201	980
23,27, 31	All other nondurable goods.....	3,531	3,516	3,443	3,305	+0.4	+2.1	+4.2	3,398	3,301	3,333	3,320	3,276
	FINISHED GOODS												
	All manufacturing industries..	89,183	89,755	89,638	89,528	-0.6	+0.1	+0.1	88,846	87,952	89,092	88,838	80,549
	Durable goods industries.....	47,172	46,576	46,317	45,975	+1.3	+0.6	+0.7	46,576	45,347	45,221	44,884	42,065
32	Stone, clay, and glass products...	3,128	3,202	3,187	3,143	-2.3	+0.5	+1.4	3,112	3,113	3,047	3,000	2,952
33	Primary metals.....	5,878	6,035	5,879	6,006	-2.6	+2.7	-2.1	5,855	5,969	5,834	5,860	5,479
34	Fabricated metal products.....	4,929	4,956	4,750	4,667	-0.5	+4.3	+1.8	4,932	4,815	4,618	4,509	4,667
35	Machinery, except electrical.....	12,981	12,500	12,686	12,356	+3.8	-1.5	+2.7	12,721	12,213	12,407	12,095	11,056
36	Electrical Machinery.....	6,416	6,348	6,204	6,238	+1.1	+2.3	-0.5	6,223	6,131	6,080	6,155	5,264
37	Transportation equipment.....	5,092	4,915	5,127	5,033	+3.6	-4.1	+1.9	5,115	4,850	5,136	5,046	4,594
38	Instruments and related products..	2,730	2,753	2,731	2,742	-0.8	+0.8	-0.4	2,676	2,644	2,662	2,679	2,502
24,25, 39	All other durable goods.....	6,018	5,867	5,753	5,790	+2.6	+2.0	-0.6	5,942	5,612	5,437	5,540	5,551
	Nondurable goods industries.....	42,011	43,179	43,321	43,553	-2.7	-0.3	-0.5	42,270	42,605	43,871	43,954	38,484
20	Food and kindred products.....	11,744	11,886	11,964	11,603	-1.2	-0.7	+3.1	12,007	12,121	12,946	12,796	11,221
21	Tobacco products.....	293	228	224	253	+28.5	+1.8	-11.5	287	209	235	252	287
22	Textile mill products.....	2,823	2,869	2,887	3,002	-1.6	-0.6	-3.8	2,789	2,766	2,810	2,886	2,524
26	Paper and allied products.....	3,828	3,655	3,618	3,596	+4.7	+1.0	+0.6	3,755	3,522	3,588	3,467	3,163
28	Chemicals and allied products.....	9,472	10,241	10,160	10,336	-7.5	+0.8	-1.7	9,681	10,297	10,278	10,133	8,699
29	Petroleum and coal products.....	4,592	4,874	5,019	5,167	-5.8	-2.9	-2.9	4,725	4,823	5,264	5,284	4,408
30	Rubber and plastics products.....	2,776	2,816	2,857	2,930	-1.4	-1.4	-2.5	2,750	2,681	2,703	2,770	2,546
23,27, 31	All other nondurable goods.....	6,483	6,610	6,592	6,666	-1.9	+0.3	-1.1	6,276	6,186	6,047	6,366	5,636

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984	Jan. 1985P	Dec. 1984r	Nov. 1984	Oct. 1984
	All manufacturing industries	1.48	1.46	1.49	1.50	3.43	3.34	3.44	3.43
	Durable goods industries	1.84	1.84	1.87	1.90	4.14	4.04	4.16	4.18
32	Stone, clay, and glass products	1.21	1.26	1.26	1.27	0.58	0.58	0.56	0.56
33	Primary metals	1.81	1.97	1.87	1.88	1.82	1.83	1.73	1.75
34	Fabricated metal products	1.46	1.53	1.55	1.58	1.79	1.86	1.88	1.97
35	Machinery, except electrical	2.49	2.26	2.24	2.26	3.72	3.57	3.62	3.71
36	Electrical machinery	2.13	1.93	2.14	2.15	5.22	4.68	5.25	5.35
37	Transportation equipment	1.69	1.82	1.86	1.94	10.06	9.98	10.88	10.59
38	Instruments and related products	1.97	1.96	2.03	2.05	1.81	1.81	1.81	1.80
	Nondurable goods industries	1.06	1.03	1.06	1.06	0.50	0.49	0.49	0.49
20	Food and kindred products	0.87	0.86	0.89	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.70	2.27	2.13	2.70	(X)	(X)	(X)	(X)
22	Textile mill products	1.64	1.57	1.66	1.65	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.23	1.16	1.19	1.20	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.19	1.21	1.26	1.26	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.57	0.53	0.54	0.55	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.38	1.39	1.34	1.47	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1984	All Jans. 1980-1984	Jan. 1984-Dec. 1984	Year ago Jan. 1984	All Jans. 1980-1984	Jan. 1984-Dec. 1984	Year ago Jan. 1984	All Jans. 1980-1984	Jan. 1984-Dec. 1984	Year ago Jan. 1984	All Jans. 1980-1984	Jan. 1984-Dec. 1984
	All manufacturing industries.	1.0	0.4	0.3	0.7	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.6	0.4	0.5	0.1	0.6	0.6	0.2	0.1	0.1	0.3	0.1	0.1
32	Stone, clay, and glass products..	1.3	1.9	0.7	1.9	1.7	1.2	1.4	1.2	1.5	0.8	0.5	0.4
33	Primary metals	0.6	1.0	0.4	1.2	1.2	1.6	0.3	0.4	0.8	0.3	0.3	0.2
34	Fabricated metal products	2.3	1.5	1.1	1.8	1.7	1.1	0.3	0.3	0.3	0.2	0.2	0.2
35	Machinery, except electrical	1.5	1.3	0.7	3.0	1.5	0.9	0.3	0.3	0.2	0.1	0.2	0.1
36	Electrical machinery	3.7	1.1	1.0	2.6	0.8	1.1	0.2	0.1	0.2	0.1	0.1	0.2
37	Transportation equipment	0.7	0.8	0.7	0.8	2.3	0.9	0.0	0.3	0.1	0.7	0.4	0.2
38	Instruments and related products.	2.1	0.8	1.0	1.8	1.3	1.5	0.2	1.7	0.7	2.8	1.0	0.5
	Nondurable goods industries	1.2	0.4	0.3	1.4	0.5	0.3	0.2	0.6	0.2	0.3	0.4	0.2
20	Food and kindred products	2.1	1.1	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.4
21	Tobacco products	0.3	0.9	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.8	0.4
22	Textile mill products	1.5	2.2	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.4	0.4
26	Paper and allied products	0.1	1.5	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.2	0.8	0.2
28	Chemicals and allied products	3.4	1.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.9	0.5
29	Petroleum and coal products	0.4	1.4	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.3	1.1	0.5
30	Rubber and plastics products	0.8	1.1	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.9	0.3
	Capital Goods Industries:												
	Nondefense	1.8	1.2	0.9	0.6	2.1	1.1	0.3	0.3	0.1	0.1	0.1	0.1
	Defense	0.3	1.4	0.9	0.7	3.3	2.0	0.1	0.3	0.1	0.8	0.3	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1(85)-2

CURRENT INDUSTRIAL REPORTS

SUPERINTENDENT OF DOCUMENTS
AUG 8 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

FEBRUARY 1985
M3-1(85)-2
For Wire Transmission 10:00 A.M. E.S.T. Monday April 1, 1985

(All figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in February showed a small decline of $0.5 billion or 0.2 percent to $193.5 billion. A decline in durable goods of 1.2 percent, revised down from the earlier reported 0.2 percent decline, more than offset an increase in nondurables of 0.9 percent. New orders for defense capital goods dropped $4.3 billion or 43.7 percent to $5.5 billion. Excluding defense, manufacturers' orders increased 2.1 percent.

Shipments of manufactured goods declined $0.7 billion or 0.4 percent to $192.0 billion, following a 1.4 percent decline in January. The last time back to back monthly declines were reported was in October and November 1982. The February decline resulted from a decrease in durable goods more than offsetting an increase in nondurables; in January the reverse pattern caused the decline.

Unfilled orders at the end of February were up $1.5 billion or 0.4 percent to $357.8 billion, matching the 0.4 percent increase in January. The February increase resulted from a large increase in office and computing equipment; excluding that industry, unfilled orders declined 0.6 percent.

Manufacturers' inventories increased $0.9 billion or 0.3 percent to $285.7 billion; this is the first increase in inventories since October. Nearly all the February increase was in nondurables. The inventory to shipments ratio was 1.49, up from 1.48 in January and 1.46 in December.

NEW ORDERS. Changes in durable goods new orders in February were dominated by a few large offsetting movements in the machinery and transportation equipment industries. Large increases in office and computing equipment and commercial aircraft were more than offset by declines in defense communication equipment, defense aircraft, and motor vehicles and parts. Nonelectrical machinery, which includes computing equipment, increased $5.3 billion or 35.1 percent to $20.4 billion; electrical machinery declined $3.3 billion or 18.2 percent to $15.0 billion. Transportation equipment declined $1.3 billion or 4.9 percent to $26.0 billion; this industry declined 2 of the last 3 months since reaching a high in November of $28.6 billion. Primary metals were down $0.9 billion or 8.3 percent offsetting, the 10.6 percent increase in January, and continuing the volatile pattern of the last 10 months.

The largest increases in nondurables were in foods, tobacco, and petroleum products; the only significant decline was in printing and publishing.

SHIPMENTS. Shipments of durable goods in February decreased $1.4 billion or 1.4 percent to $102.3 billion; declines were widespread. Transportation equipment was down $0.6 billion or 2.1 percent to $27.4 billion; motor vehicles and parts were down $1.1 billion or 5.8 percent. Fabricated metals were down $0.5 billion or 3.7 percent, and primary metals $0.2 billion or 1.8 percent. Both electrical and nonelectrical machinery were up slightly.

Nondurable goods increased $0.7 billion or 0.8 percent to $89.9 billion, with foods, tobacco, and petroleum products showing the largest increases.

UNFILLED ORDERS. Unfilled orders for capital goods, at $266.1 billion at the end of February, account for about three-fourths of all manufacturers' unfilled orders of $357.8 billion. Nondefense capital goods increased $3.2 billion or 2.4 percent to $134.4 billion, following 3 months of declines. The February increase resulted from an 18.5 percent increase in office and computing equipment. Without this industry, nondefense declined. Defense unfilled orders declined $1.3 billion or 1.0 percent to $131.7 billion, following an increase last month of 2.5 percent.

Primary metals declined $0.2 billion or 1.3 percent in February to $19.2 billion, the ninth decline in the last ten months.

INVENTORIES. Inventories of nondurable goods manufacturers increased $0.8 billion or 0.8 percent to $94.3 billion, following a 1.2 percent decline in January. The largest February increases were in printing and publishing, foods, petroleum, and rubber and plastics.

Durable goods inventories showed little change from January at $191.4 billion. The major industries showed small offsetting increases and decreases.

SCHEDULED RELEASE DATES. The advance report on durable goods for March is scheduled for release on April 23, 1985 at 8:30 A.M. and the full report on April 30, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1985p	Jan. 1985r	Dec. 1984	Nov. 1984	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.	Feb. 1985p	Jan. 1985r	Dec. 1984	Nov. 1984	1985p	1984
	All manufacturing industries	192,027	192,712	195,487	191,978	-0.4	-1.4	+1.8	193,331	177,117	189,028	190,524	370,448	356,372
	Manufacturing industries with unfilled orders	103,383	104,271	106,263	103,677	-0.9	-1.9	+2.5	104,167	94,882	104,277	103,370	199,049	185,793
	Durable goods industries	102,260	103,667	103,681	101,778	-1.4	0.0	+1.9	102,855	93,270	99,929	101,101	196,125	182,763
	With unfilled orders	82,907	83,293	85,395	83,238	-0.5	-2.5	+2.6	83,515	75,230	84,100	82,705	158,745	147,097
32	Stone, clay, and glass products	4,648	4,764	4,669	4,703	-2.4	+2.0	-0.7	4,342	4,012	4,101	4,639	8,354	8,086
322	Glass containers	406	385	358	394	+5.5	+7.5	-9.1	383	353	312	365	736	707
33	Primary metals	10,463	10,654	10,363	11,105	-1.8	+2.8	-6.7	10,924	10,407	9,447	10,477	21,331	21,983
331	Blast furnaces, steel mills	4,431	4,540	4,223	4,576	-2.4	+7.5	-7.7	4,648	4,504	3,936	4,315	9,152	9,089
333-9	Nonferrous and other primary metals	4,835	4,883	4,939	5,281	-1.0	-1.1	-6.5	5,047	4,746	4,494	4,938	9,793	10,422
34	Fabricated metal products	12,625	13,104	12,688	12,484	-3.7	+3.3	+1.6	12,601	11,798	11,735	12,222	24,399	21,012
341	Metal cans, barrels, and drums	885	889	877	916	-0.4	+1.4	-4.3	868	766	734	768	1,634	1,602
35	Machinery, except electrical	16,866	16,764	17,948	18,171	+0.6	-6.6	-1.2	17,100	14,820	19,380	17,850	31,920	31,146
351	Engines and turbines	1,168	1,172	1,416	1,239	-0.3	-17.2	+14.3	1,238	1,115	1,354	1,163	2,353	2,320
352	Farm machinery and equipment	708	666	791	819	+6.3	-15.8	-3.4	702	626	673	695	1,328	1,769
353	Construction, mining, and material handling equipment	2,591	2,581	2,666	2,834	+0.4	-3.2	-5.9	2,754	2,364	2,647	2,718	5,118	4,893
354	Metalworking machinery	817	817	970	858	0.0	-15.8	+13.1	861	725	993	835	1,586	1,481
356	General industrial machinery	1,343	1,541	1,324	1,399	-12.8	+16.4	-5.4	1,364	1,379	1,366	1,356	2,743	2,664
357	Office and computing machines	4,378	4,213	4,810	5,151	+3.9	-12.4	-6.6	4,089	3,177	6,748	5,429	7,266	6,944
36	Electrical machinery	15,347	15,308	16,817	15,256	+0.3	-9.0	+10.2	15,567	14,017	16,540	15,340	29,584	27,564
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,018	2,078	2,377	2,073	-2.9	-12.6	+14.7	2,105	1,954	2,337	2,035	4,059	3,800
363	Household appliances	1,335	1,553	1,420	1,329	-14.0	+9.4	+6.8	1,346	1,342	1,293	1,256	2,688	2,681
365	Radio and TV	904	983	876	827	-8.0	+12.2	+5.9	897	830	885	918	1,727	1,567
366	Communication equipment	5,201	4,782	5,659	4,936	+8.8	-15.5	+14.6	5,192	4,353	5,830	4,846	9,545	7,804
367	Electronic components	3,430	3,436	3,877	3,665	-0.2	-11.4	+5.8	3,529	3,223	3,652	3,702	6,752	6,809
37	Transportation equipment	27,423	28,002	26,041	25,116	-2.1	+7.5	+3.7	27,694	25,232	24,488	25,695	52,926	46,348
371	Motor vehicles and parts	18,362	19,497	16,985	16,710	-5.8	+14.8	+1.6	18,723	17,895	14,356	17,260	36,618	32,237
372,6	Aircraft, missiles, and parts	7,321	6,940	7,300	6,801	+5.5	-4.9	+7.3	7,229	5,903	8,283	6,920	13,132	10,999
3731,95	Shipbuilding and military tank vehicles	956	758	1,049	848	+26.1	-27.7	+23.7	901	693	1,189	834	1,594	1,555
38	Instruments and related products	4,874	4,778	4,819	4,688	+2.0	-0.9	+2.8	4,780	4,304	4,940	4,788	9,084	8,374
381-4	Scientific and engineering instruments	3,099	2,895	3,051	2,917	+7.0	-5.1	+4.6	3,086	2,724	3,161	2,894	5,810	5,117
386	Photographic goods	1,589	1,716	1,599	1,575	-7.4	+7.3	+1.5	1,508	1,438	1,630	1,700	2,946	2,915
24,25, 39	All other durable goods	10,014	10,293	10,336	10,255	-2.7	-0.4	+0.8	9,847	8,680	9,298	10,090	18,527	18,250
	Nondurable goods industries	89,767	89,045	91,806	90,200	+0.8	-3.0	+1.8	90,476	83,847	89,099	89,423	174,323	173,609
	With unfilled orders	20,476	20,978	20,868	20,439	-2.4	+0.5	+2.1	20,652	19,652	20,177	20,665	40,304	38,696
20	Food and kindred products	25,061	24,626	24,942	24,040	+1.8	-1.3	+3.8	25,099	22,740	24,766	24,293	47,839	47,001
201	Meat products	5,982	5,893	6,005	5,724	+1.5	-1.9	+4.9	5,850	5,680	6,017	5,758	11,530	11,336
208	Beverages	3,640	3,614	3,367	3,290	+0.7	+7.3	+2.3	3,243	3,050	2,994	3,329	6,293	6,156
207	Fats and oils	1,115	1,133	1,201	1,205	-1.6	-5.7	-0.3	1,180	1,125	1,233	1,246	2,305	2,824
203-6,9	All other foods	11,132	10,726	11,178	10,644	+3.8	-4.0	+5.0	11,622	9,814	11,391	10,771	21,436	20,168
21	Tobacco products	1,682	1,328	1,563	1,662	+26.7	-15.0	-6.0	1,547	1,209	1,717	1,343	2,756	2,276
22	Textile mill products	4,219	4,230	4,458	4,287	-0.3	-5.1	+4.0	4,202	3,721	4,157	4,274	7,923	8,973
26	Paper and allied products	8,072	8,110	8,329	8,159	-0.5	-2.6	+2.1	8,308	7,810	7,721	7,860	16,118	15,483
261-3,6	Pulp, paper etc.	3,523	3,491	3,634	3,463	+0.9	-3.9	+4.9	3,626	3,309	3,358	3,439	6,935	6,666
265	Paperboard containers	1,765	1,934	1,832	1,855	-8.7	+5.6	-1.2	1,822	1,820	1,658	1,796	3,642	3,409
264	All other paper products	2,784	2,685	2,863	2,841	+3.7	-6.2	+0.8	2,860	2,681	2,705	2,625	5,541	5,408
28	Chemicals and allied products	17,686	17,712	18,174	17,584	-0.1	-2.5	+3.4	18,023	17,089	17,516	16,491	35,112	33,971
281,6	Industrial chemicals, except pigments	5,782	5,789	5,794	6,012	-0.1	-0.1	-3.6	6,007	5,453	5,695	5,675	11,460	11,118
283,4	Drugs, soaps, and toiletries	4,512	4,705	4,637	4,458	-4.1	+1.5	+4.0	4,539	4,488	4,679	4,302	9,027	8,435
29	Petroleum and coal products	14,945	14,549	15,996	16,332	+2.7	-9.0	-2.1	15,045	14,458	16,318	16,340	29,503	31,407
30	Rubber and plastics products	4,137	4,163	4,304	4,524	-0.6	-3.3	-4.9	4,154	3,887	3,861	4,320	8,041	8,325
23,27, 31	All other nondurable goods	13,965	14,327	14,040	13,612	-2.5	+2.0	+3.1	14,098	12,933	13,043	14,502	27,031	26,173
	Market categories:													
	Home goods and apparel	12,648	12,839	12,946	12,664	-1.5	-0.8	+2.2	12,886	10,902	11,025	13,139	23,788	24,626
	Consumer staples	34,854	34,377	34,726	33,521	+1.4	-1.0	+3.6	34,631	31,650	34,767	33,673	66,281	62,817
	Equipment and defense products, except automotive	29,403	28,057	30,847	29,690	+4.8	-9.0	+3.9	29,250	24,592	33,867	29,394	53,842	49,072
	Automotive equipment	20,349	21,548	18,890	18,661	-5.6	+14.1	+1.2	20,636	19,663	15,935	19,038	40,299	35,964
	Construction materials, supplies and intermediate products	15,668	16,291	16,119	15,709	-3.8	+1.1	+2.6	14,813	13,696	14,739	15,318	28,509	25,502
	Other materials, supplies, and intermediate products	79,105	79,600	81,959	81,733	-0.6	-2.9	+0.3	81,115	76,614	78,695	79,962	157,729	158,391
	Supplementary series:[2]													
	Capital goods industries	33,127	32,158	35,305	33,562	+3.0	-8.9	+5.2	33,267	28,423	38,311	33,555	61,690	56,547
	Nondefense	26,314	25,638	28,681	27,287	+2.6	-10.6	+5.1	26,524	22,693	31,106	27,259	49,217	45,714
	Defense	6,813	6,520	6,624	6,275	+4.5	-1.6	+5.6	6,743	5,730	7,205	6,296	12,473	10,833
	Household durable goods industries	6,158	6,448	6,236	6,282	-4.5	+3.4	+0.7	6,211	5,476	5,657	6,362	11,687	11,070

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1985p	Jan. 1985r	Dec. 1984r	Nov. 1984	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.r	Feb. 1985p	Jan. 1985r	Dec. 1984r	Nov. 1984	1985p	1984
	All manufacturing industries	193,540	194,022	193,670	194,168	-0.2	+0.2	-0.3	196,369	182,866	190,316	190,615	379,235	372,927
	Manufacturing industries with unfilled orders	104,896	105,581	104,445	105,867	-0.6	+1.1	-1.3	107,205	100,632	105,565	103,461	207,837	202,348
	Durable goods industries	103,687	104,985	101,744	104,037	-1.2	+3.2	-2.2	105,782	98,725	101,064	101,483	204,507	198,616
	With unfilled orders	84,334	84,611	83,458	85,497	-0.3	+1.4	-2.4	86,442	80,685	85,235	83,087	167,127	162,950
32	Stone, clay, and glass products	4,691	4,757	4,787	4,694	-1.4	-0.6	+2.0	4,449	4,087	4,150	4,636	8,536	8,429
33	Primary metals	10,214	11,133	10,067	10,848	-8.3	+10.6	-7.2	11,297	11,623	9,536	10,241	22,920	24,856
331	Blast furnaces, steel mills	4,529	4,822	4,585	4,652	-6.1	+5.2	-1.4	5,168	5,262	4,291	4,396	10,430	10,842
333-9	Nonferrous and other primary metals	4,575	4,953	4,415	5,041	-7.6	+12.2	-12.4	4,960	5,042	4,319	4,688	10,002	11,233
34	Fabricated metal products	12,694	13,106	13,003	12,426	-3.1	+0.8	+4.6	12,691	11,965	11,972	11,952	24,656	21,659
35	Machinery, except electrical	20,358	15,074	16,389	18,082	+35.1	-8.0	-9.4	20,720	13,958	18,278	17,685	34,678	33,646
351	Engines and turbines	1,199	925	1,613	1,290	+29.6	-42.7	+25.0	1,335	842	1,334	1,046	2,177	2,212
353	Construction, mining, and material handling equipment	2,294	2,629	2,614	2,694	-12.7	+0.6	-3.0	2,589	2,466	2,548	2,657	5,055	5,192
354	Metalworking machinery	979	873	1,205	930	+12.1	-27.6	+29.6	1,002	840	1,109	904	1,842	1,683
356	General industrial machinery	1,333	1,278	1,279	1,538	+4.3	-0.1	-16.8	1,376	1,265	1,278	1,440	2,641	2,798
357	Office and computing machines	7,896	3,104	2,829	5,210	+154.4	+9.7	-45.7	7,392	2,365	5,705	5,464	9,757	8,116
36	Electrical machinery	14,965	18,290	15,399	14,497	-18.2	+18.8	+6.2	15,893	17,626	15,332	14,235	33,519	32,079
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,036	2,142	2,517	1,974	-4.9	-14.9	+27.5	2,185	2,117	2,420	1,894	4,302	4,074
363	Household appliances	1,313	1,520	1,401	1,355	-13.6	+8.5	+3.4	1,331	1,364	1,290	1,244	2,695	2,726
365	Radio and TV	891	1,102	819	595	-19.1	+34.6	+37.6	903	910	861	718	1,813	1,821
366	Communication equipment	5,187	7,398	5,829	5,020	-29.9	+26.9	+16.1	5,419	7,300	6,347	4,799	12,719	9,956
367	Electronic components	3,119	3,663	2,210	3,141	-14.9	+65.7	-29.6	3,592	3,620	1,883	3,016	7,212	8,570
37	Transportation equipment	26,044	27,382	26,899	28,619	-4.9	+1.8	-6.0	26,115	26,092	27,746	28,144	52,207	50,665
372,6	Aircraft, missiles, and parts	6,205	6,720	8,683	10,179	-7.7	-22.6	-14.7	5,662	6,731	11,724	8,878	12,593	13,520
3731,95	Shipbuilding and military tank vehicles	398	541	546	1,240	-26.4	-0.9	-56.0	394	737	921	1,620	1,131	2,570
38	Instruments and related products	4,804	4,840	4,801	4,791	-0.7	+0.8	+0.2	4,768	4,467	4,938	4,828	9,235	8,508
24,25, 39	All other durable goods	9,917	10,403	10,399	10,080	-4.7	0.0	+3.2	9,849	8,907	9,112	9,762	18,756	18,774
	Nondurable goods industries	89,853	89,037	91,926	90,131	+0.9	-3.1	+2.0	90,587	84,141	89,252	89,132	174,728	174,311
	With unfilled orders	20,562	20,970	20,987	20,370	-1.9	-0.1	+3.0	20,763	19,947	20,330	20,374	40,710	39,398
	Market categories:													
	Home goods and apparel	12,592	13,192	12,958	12,215	-4.5	+1.8	+6.1	12,917	11,269	10,902	12,592	24,186	25,412
	Consumer staples	34,975	34,375	34,734	33,514	+1.7	-1.0	+3.6	34,724	31,747	34,768	33,635	66,471	62,890
	Equipment and defense products, except automotive	31,306	28,601	29,176	33,794	+9.5	-2.0	-13.7	31,060	27,884	35,163	32,369	58,944	57,027
	Automotive equipment	20,613	21,419	18,903	18,347	-3.8	+13.3	+3.0	20,899	19,687	16,081	18,704	40,586	36,587
	Construction materials, supplies and intermediate products	15,929	16,320	16,399	15,682	-2.4	-0.5	+4.6	15,230	13,885	14,732	15,239	29,115	25,883
	Other materials, supplies, and intermediate products	78,125	80,115	81,500	80,616	-2.5	-1.7	+1.1	81,539	78,394	78,670	78,076	159,933	165,128
	Supplementary series:[2]													
	Capital goods industries	34,996	32,897	35,170	37,469	+6.4	-6.5	-6.1	35,235	31,732	41,190	35,982	66,967	65,196
	Nondefense	29,500	23,139	26,624	27,126	+27.5	-13.1	-1.9	29,157	22,228	29,063	26,499	51,385	50,930
	Defense	5,496	9,758	8,546	10,343	-43.7	+14.2	-17.4	6,078	9,504	12,127	9,483	15,582	14,266
	Household durable goods industries	6,014	6,782	6,263	5,860	-11.3	+8.3	+6.9	6,193	5,837	5,544	5,843	12,030	11,866

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1985p	Jan. 1985r	Dec. 1984r	Nov. 1984	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.r	Feb. 1985p	Jan. 1985r	Dec. 1984r	Nov. 1984	Feb. 1984
	All manufacturing industries..	357,763	356,248	354,939	356,756	+0.4	+0.4	-0.5	361,490	358,461	352,712	351,429	344,503
	Durable goods industries.....	347,488	346,059	344,744	346,678	+0.4	+0.4	-0.6	351,195	348,275	342,820	341,688	333,278
32	Stone, clay, and glass products...	2,554	2,510	2,517	2,398	+1.8	-0.3	+5.0	2,577	2,471	2,396	2,346	2,285
33	Primary metals.....	19,169	19,417	18,939	19,232	-1.3	+2.5	-1.5	20,070	19,697	18,482	18,394	23,182
331	Blast furnaces, steel mills.....	9,133	9,034	8,753	8,390	+1.1	+3.2	+4.3	9,662	9,143	8,385	8,030	11,443
333-9	Nonferrous and other primary metals.....	7,032	7,291	7,221	7,744	-3.6	+1.0	-6.8	7,320	7,407	7,112	7,288	8,883
34	Fabricated metal products.....	22,076	22,007	22,006	21,691	+0.3	0.0	+1.5	21,801	21,712	21,545	21,309	20,772
35	Machinery, except electrical.....	62,995	59,503	61,193	62,755	+5.9	-2.8	-2.5	63,698	60,080	60,941	62,045	60,638
351	Engines and turbines.....	14,967	14,937	15,184	14,989	+0.2	-1.6	+1.3	14,989	14,892	15,165	15,186	14,613
353	Construction, mining, and material handling equipment....	5,704	6,000	5,952	6,004	-4.9	+0.8	-0.9	5,829	5,994	5,892	5,992	5,968
354	Metalworking machinery.....	3,939	3,777	3,721	3,486	+4.3	+1.5	+6.7	3,899	3,758	3,643	3,528	2,575
356	General industrial machinery....	4,535	4,546	4,808	4,854	-0.2	-5.4	-0.9	4,576	4,564	4,678	4,766	4,781
357	Office and computing machines...	22,524	19,005	20,114	22,095	+18.5	-5.5	-9.0	22,726	19,423	20,235	21,278	21,319
36	Electrical machinery.....	81,240	81,622	78,642	80,059	-0.5	+3.8	-1.8	81,761	81,436	77,827	79,037	73,680
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,309	6,290	6,227	6,086	+0.3	+1.0	+2.3	6,337	6,257	6,094	6,011	6,513
363	Household appliances.....	369	391	424	442	-5.6	-7.8	-4.1	370	385	363	366	507
365	Radio and TV.....	541	553	435	492	-2.2	+27.1	-11.6	521	515	435	460	650
366	Communication equipment.....	53,237	53,252	50,635	50,467	0.0	+5.2	+0.3	53,743	53,516	50,569	50,053	44,344
367	Electronic components.....	19,336	19,647	19,421	21,088	-1.6	+1.2	-7.9	19,356	19,294	18,896	20,666	20,230
37	Transportation equipment.....	145,558	146,935	147,554	146,696	-0.9	-0.4	+0.6	147,652	149,233	148,372	145,112	139,651
372,6	Aircraft, missiles, and parts...	118,581	119,696	119,916	118,532	-0.9	-0.2	+1.2	119,808	121,177	120,349	116,907	106,852
3731,95	Shipbuilding and military tank vehicles.....	19,805	20,362	20,578	21,082	-2.7	-1.0	-2.4	20,394	20,901	20,857	21,124	23,671
38	Instruments and related products..	8,457	8,528	8,465	8,484	-0.8	+0.7	-0.2	8,496	8,509	8,347	8,348	7,787
24,25, 39	All other durable goods.....	5,439	5,537	5,428	5,363	-1.8	+2.0	+1.2	5,140	5,137	4,910	5,097	5,283
	Nondurable goods industries.....	10,275	10,189	10,195	10,078	+0.8	-0.1	+1.2	10,295	10,186	9,892	9,741	11,225
	Market categories:												
	Home goods and apparel.....	4,314	4,371	4,019	4,005	-1.3	+8.8	+0.3	3,947	3,918	3,551	3,674	4,501
	Consumer staples.....	833	712	713	706	+17.0	-0.1	+1.0	875	783	685	685	772
	Equipment and defense products, except automotive.....	221,990	220,085	219,541	221,215	+0.9	+0.2	-0.8	224,807	222,999	219,708	218,415	204,840
	Automotive equipment.....	6,484	6,220	6,349	6,336	+4.2	-2.0	+0.2	6,776	6,513	6,489	6,342	8,401
	Construction materials, supplies and intermediate products.....	13,333	13,071	13,042	12,762	+2.0	+0.2	+2.2	13,170	12,755	12,566	12,573	12,231
	Other materials, supplies, and intermediate products.....	110,809	111,789	111,275	111,732	-0.9	+0.5	-0.4	111,915	111,493	109,713	109,740	113,758
	Supplementary series:[2]												
	Capital goods industries.....	266,058	264,188	263,448	263,586	+0.7	+0.3	-0.1	268,869	266,905	263,595	260,717	245,558
	Nondefense.....	134,358	131,171	133,671	135,729	+2.4	-1.9	-1.5	134,856	132,227	132,692	134,736	128,318
	Defense.....	131,700	133,017	129,777	127,857	-1.0	+2.5	+1.5	134,013	134,678	130,903	125,981	117,240
	Household durable goods industries.....	3,806	3,951	3,619	3,590	-3.7	+9.2	+0.8	3,497	3,516	3,155	3,268	4,000

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Feb. 1985P	Jan. 1985r	Dec. 1984	Nov. 1984	Jan.-Feb.P	Dec.-Jan.r	Nov.-Dec.	Feb. 1985P	Jan. 1985r	Dec. 1984	Nov. 1984	Feb. 1984
	All manufacturing industries..	285,701	284,791	285,414	285,833	+0.3	-0.2	-0.1	287,156	284,392	281,960	284,814	265,548
	Manufacturing industries with unfilled orders.....	199,555	198,945	198,065	198,326	+0.3	+0.4	-0.1	200,039	197,416	194,997	196,852	180,249
	Durable goods industries.....	191,446	191,315	190,823	190,428	+0.1	+0.3	+0.2	192,580	190,321	187,888	189,172	174,288
	With unfilled orders.....	175,352	175,054	174,279	174,368	+0.2	+0.4	-0.1	175,955	173,965	171,841	173,476	158,317
32	Stone, clay, and glass products...	5,847	5,857	5,878	5,915	-0.2	-0.4	-0.6	6,012	5,846	5,782	5,694	5,751
322	Glass containers.....	608	618	653	625	-1.6	-5.4	+4.5	613	599	630	618	636
33	Primary metals.....	19,241	19,393	20,419	20,715	-0.8	-5.0	-1.4	19,427	19,656	20,383	20,716	19,615
331	Blast furnaces, steel mills.....	8,738	8,889	9,291	9,652	-1.7	-4.3	-3.7	8,712	9,066	9,449	9,748	9,112
333-9	Nonferrous and other primary metals.....	9,168	9,193	9,888	9,784	-0.3	-7.0	+1.1	9,360	9,285	9,701	9,715	9,220
34	Fabricated metal products.....	19,148	19,142	19,400	19,345	0.0	-1.3	+0.3	19,395	19,058	18,847	18,790	18,115
341	Metal cans, barrels, and drums..	2,370	2,417	2,598	2,309	-1.9	-7.0	+12.5	2,534	2,436	2,229	1,953	2,240
35	Machinery, except electrical.....	41,647	41,385	40,623	40,664	+0.6	+1.9	-0.1	41,809	41,128	40,134	40,469	37,254
351	Engines and turbines.....	2,214	2,213	2,130	2,304	0.0	+3.9	-7.6	2,250	2,238	2,154	2,321	2,138
352	Farm machinery and equipment....	1,877	1,932	1,895	2,019	-2.8	+2.0	-6.1	1,952	1,911	1,853	1,914	2,041
353	Construction, mining, and material handling equipment....	6,775	6,804	6,920	6,975	-0.4	-1.7	-0.8	6,789	6,764	6,837	6,947	7,060
354	Metalworking machinery.....	2,571	2,559	2,427	2,436	+0.5	+5.4	-0.4	2,579	2,543	2,398	2,445	2,272
356	General industrial machinery....	3,614	3,484	3,503	3,458	+3.7	-0.5	+1.3	3,653	3,512	3,454	3,424	3,526
357	Office and computing machines...	12,931	12,778	12,597	12,246	+1.2	+1.4	+2.9	12,841	12,612	12,458	12,283	10,025
36	Electrical machinery.....	33,144	33,117	32,524	32,623	+0.1	+1.8	-0.3	33,018	32,645	31,956	32,253	28,364
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,691	4,681	4,514	4,533	+0.2	+3.7	-0.4	4,669	4,594	4,450	4,527	4,191
363	Household appliances.....	2,592	2,675	2,582	2,617	-3.1	+3.6	-1.3	2,615	2,638	2,495	2,452	2,113
365	Radio and TV.....	1,352	1,373	1,362	1,284	-1.5	+0.8	+6.1	1,306	1,318	1,316	1,261	1,023
366	Communication equipment.....	13,268	13,176	12,938	12,995	+0.7	+1.8	-0.4	13,259	13,075	12,758	12,966	11,181
367	Electronic components.....	6,570	6,584	6,460	6,542	-0.2	+1.9	-1.3	6,531	6,485	6,447	6,483	5,766
37	Transportation equipment.....	47,452	47,534	47,350	46,722	-0.2	+0.4	+1.3	47,880	47,263	46,714	47,222	41,591
371	Motor vehicles and parts.....	11,094	11,042	11,289	10,785	+0.5	-2.2	+4.7	11,299	11,138	11,110	11,042	9,931
372,6	Aircraft, missiles, and parts...	33,280	33,415	32,960	32,744	-0.4	+1.4	+0.7	33,389	32,954	32,415	32,931	28,773
3731,95	Shipbuilding and military tank vehicles.....	1,327	1,311	1,298	1,360	+1.2	+1.0	-4.6	1,346	1,296	1,274	1,365	1,268
38	Instruments and related products..	9,726	9,566	9,469	9,537	+1.7	+1.0	-0.7	9,683	9,466	9,260	9,390	8,979
381-4	Scientific and engineering instruments.....	7,011	6,884	6,840	6,912	+1.8	+0.6	-1.0	6,990	6,836	6,738	6,843	6,478
386	Photographic goods.....	2,083	2,078	2,060	2,053	+0.2	+0.9	+0.3	2,067	2,030	1,955	1,996	1,973
24,25, 39	All other durable goods.....	15,241	15,321	15,160	14,907	-0.5	+1.1	+1.7	15,356	15,259	14,812	14,638	14,619
	Nondurable goods industries.....	94,255	93,476	94,591	95,405	+0.8	-1.2	-0.9	94,576	94,071	94,072	95,642	91,260
	With unfilled orders.....	24,203	23,891	23,786	23,958	+1.3	+0.4	-0.7	24,084	23,451	23,156	23,376	21,932
20	Food and kindred products.....	21,493	21,255	21,415	21,313	+1.1	-0.7	+0.5	21,654	21,911	21,980	22,733	21,578
201	Meat products.....	2,289	2,245	2,338	2,282	+2.0	-4.0	+2.5	2,350	2,270	2,242	2,362	2,191
208	Beverages.....	3,467	3,419	3,436	3,415	+1.4	-0.5	+0.6	3,572	3,491	3,477	3,401	3,477
207	Fats and oils.....	1,094	1,136	1,193	1,119	-3.7	-4.8	+6.6	1,198	1,296	1,349	1,375	1,965
203-6,9	All other foods.....	12,847	12,680	12,619	12,670	+1.3	+0.5	-0.4	12,757	13,086	13,149	13,823	12,227
21	Tobacco products.....	3,596	3,578	3,555	3,548	+0.5	+0.6	+0.2	3,772	3,832	3,747	3,608	4,019
22	Textile mill products.....	6,943	6,923	7,000	7,132	+0.3	-1.1	-1.9	7,079	6,950	6,862	6,954	7,100
26	Paper and allied products.....	9,857	9,908	9,701	9,746	-0.5	+2.1	-0.5	9,820	9,754	9,575	9,630	8,863
261-3,6	Pulp, paper etc.....	3,773	3,791	3,662	3,588	-0.5	+3.5	+2.1	3,761	3,747	3,648	3,572	3,281
265	Paperboard containers.....	2,653	2,690	2,630	2,674	-1.4	+2.3	-1.6	2,618	2,642	2,609	2,620	2,364
264	All other paper products.....	3,431	3,427	3,409	3,484	+0.1	+0.5	-2.2	3,441	3,365	3,318	3,438	3,218
28	Chemicals and allied products.....	21,300	21,283	21,940	22,100	+0.1	-3.0	-0.7	21,683	21,528	21,874	21,975	20,193
281,6	Industrial chemicals, except pigments.....	6,561	6,446	6,680	6,723	+1.8	-3.5	-0.6	6,607	6,555	6,666	6,703	6,143
283,4	Drugs, soaps, and toiletries....	6,843	6,873	6,967	6,999	-0.4	-1.3	-0.5	6,836	6,797	6,827	6,957	6,388
29	Petroleum and coal products.....	8,334	8,204	8,469	8,818	+1.6	-3.1	-4.0	8,102	8,255	8,345	9,038	8,497
30	Rubber and plastics products.....	5,962	5,847	5,979	6,043	+2.0	-2.2	-1.1	6,026	5,851	5,893	5,869	5,855
23,27, 31	All other nondurable goods.....	16,770	16,478	16,532	16,705	+1.8	-0.3	-1.0	16,440	15,990	15,796	15,835	15,155
	Market categories:												
	Home goods and apparel.....	22,881	23,201	23,012	23,013	-1.4	+0.8	0.0	22,745	22,811	22,237	21,921	21,231
	Consumer staples.....	34,471	34,133	34,258	34,278	+1.0	-0.4	-0.1	34,626	34,708	34,599	35,308	33,040
	Equipment and defense products, except automotive.....	84,785	84,341	83,050	83,196	+0.5	+1.6	-0.2	85,009	83,646	82,043	83,053	74,253
	Automotive equipment.....	13,573	13,468	13,760	13,241	+0.8	-2.1	+3.9	13,909	13,681	13,653	13,486	12,238
	Construction materials, supplies and intermediate products.....	19,492	19,504	19,570	19,974	-0.1	-0.3	-2.0	19,855	19,433	19,280	19,495	19,559
	Other materials, supplies, and intermediate products.....	110,499	110,144	111,764	112,131	+0.3	-1.4	-0.3	111,012	110,113	110,148	111,551	105,227
	Supplementary series:[2]												
	Capital goods industries.....	96,158	95,800	94,395	94,188	+0.4	+1.5	+0.2	96,314	94,821	92,903	94,154	83,998
	Nondefense.....	73,015	72,891	72,108	71,880	+0.2	+1.1	+0.3	73,206	72,332	70,858	72,076	65,806
	Defense.....	23,143	22,909	22,287	22,308	+1.0	+2.8	-0.1	23,108	22,489	22,045	22,078	18,192
	Household durable goods industries.....	11,661	11,871	11,594	11,391	-1.8	+2.4	+1.8	11,661	11,695	11,259	10,979	10,165

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Feb. 1985p	Jan. 1985r	Dec. 1984	Nov. 1984	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.	Feb. 1985p	Jan. 1985r	Dec. 1984	Nov. 1984	Feb. 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	92,882	92,802	93,007	93,259	+0.1	-0.2	-0.3	93,210	93,287	93,429	93,006	89,684
	Durable goods industries.....	55,761	55,950	56,406	56,009	-0.3	-0.8	+0.7	55,820	55,916	56,325	56,040	52,299
32	Stone, clay, and glass products...	1,849	1,845	1,883	1,931	+0.2	-2.0	-2.5	1,863	1,864	1,914	1,908	1,860
33	Primary metals.....	5,950	6,083	6,408	6,760	-2.2	-5.1	-5.2	5,990	6,242	6,651	6,939	6,302
34	Fabricated metal products.....	7,305	7,333	7,531	7,545	-0.4	-2.6	-0.2	7,344	7,366	7,467	7,381	7,086
35	Machinery, except electrical.....	11,775	11,880	11,757	11,502	-0.9	+1.0	+2.2	11,801	11,867	11,734	11,503	10,730
36	Electrical Machinery.....	8,840	8,692	8,730	8,717	+1.7	-0.4	+0.1	8,768	8,666	8,624	8,543	7,829
37	Transportation equipment.....	11,660	11,761	11,807	11,324	-0.9	-0.4	+4.3	11,687	11,545	11,674	11,458	10,693
38	Instruments and related products..	2,807	2,746	2,640	2,735	+2.2	+4.0	-3.5	2,799	2,744	2,644	2,704	2,505
24,25, 39	All other durable goods.....	5,575	5,610	5,650	5,495	-0.6	-0.7	+2.8	5,568	5,622	5,617	5,604	5,294
	Nondurable goods industries.....	37,121	36,852	36,601	37,250	+0.7	+0.7	-1.7	37,390	37,371	37,104	36,966	37,385
20	Food and kindred products.....	7,856	7,758	7,853	7,651	+1.3	-1.2	+2.6	8,048	8,104	8,118	8,059	8,750
21	Tobacco products.....	3,075	2,989	3,012	3,098	+2.9	-0.8	-2.8	3,249	3,300	3,263	3,031	3,504
22	Textile mill products.....	2,190	2,111	2,117	2,172	+3.7	-0.3	-2.5	2,221	2,162	2,121	2,099	2,253
26	Paper and allied products.....	4,909	4,936	4,867	4,972	-0.5	+1.4	-2.1	4,864	4,886	4,929	4,899	4,527
28	Chemicals and allied products.....	8,233	8,268	8,257	8,393	-0.4	+0.1	-1.6	8,289	8,316	8,236	8,190	7,820
29	Petroleum and coal products.....	2,060	2,115	2,072	2,231	-2.6	+2.1	-7.1	2,027	2,069	2,035	2,196	2,178
30	Rubber and plastics products.....	2,042	1,958	2,017	2,063	+4.3	-2.9	-2.2	2,000	1,975	2,093	2,037	2,216
23,27, 31	All other nondurable goods.....	6,756	6,717	6,406	6,670	+0.6	+4.9	-4.0	6,692	6,559	6,309	6,455	6,137
	WORK IN PROCESS												
	All manufacturing industries..	103,049	102,698	102,652	102,936	+0.3	0.0	-0.3	103,621	102,137	100,579	102,716	93,431
	Durable goods industries.....	88,505	88,095	87,841	88,102	+0.5	+0.3	-0.3	89,111	87,730	86,216	87,911	78,723
32	Stone, clay, and glass products...	780	798	793	797	-2.3	+0.6	-0.5	820	783	755	739	831
33	Primary metals.....	7,607	7,433	7,976	8,076	+2.3	-6.8	-1.2	7,652	7,560	7,763	7,943	7,570
34	Fabricated metal products.....	6,890	6,899	6,913	7,050	-0.1	-0.2	-1.9	6,982	6,779	6,565	6,791	6,232
35	Machinery, except electrical.....	16,914	16,553	16,366	16,476	+2.2	+1.1	-0.7	17,035	16,568	16,187	16,559	15,259
36	Electrical Machinery.....	17,832	17,962	17,446	17,702	-0.7	+3.0	-1.4	17,831	17,710	17,201	17,630	15,133
37	Transportation equipment.....	30,617	30,649	30,628	30,271	-0.1	+0.1	+1.2	30,933	30,571	30,190	30,628	26,168
38	Instruments and related products..	4,118	4,079	4,076	4,071	+1.0	+0.1	+0.1	4,122	4,035	3,972	4,024	3,921
24,25, 39	All other durable goods.....	3,747	3,722	3,643	3,659	+0.7	+2.2	-0.4	3,736	3,724	3,583	3,597	3,609
	Nondurable goods industries.....	14,544	14,603	14,811	14,834	-0.4	-1.4	-0.2	14,510	14,407	14,363	14,805	14,708
20	Food and kindred products.....	1,716	1,677	1,676	1,698	+2.3	+0.1	-1.3	1,753	1,718	1,741	1,728	1,807
21	Tobacco products.....	195	298	315	226	-34.6	-5.4	+39.4	198	246	275	342	232
22	Textile mill products.....	1,949	1,966	2,014	2,073	-0.9	-2.4	-2.8	1,994	1,976	1,975	2,045	2,285
26	Paper and allied products.....	1,136	1,155	1,179	1,156	-1.6	-2.0	+2.0	1,127	1,123	1,124	1,143	1,101
28	Chemicals and allied products.....	3,543	3,496	3,442	3,547	+1.3	+1.6	-3.0	3,549	3,485	3,341	3,507	3,425
29	Petroleum and coal products.....	1,405	1,517	1,523	1,568	-7.4	-0.4	-2.9	1,370	1,481	1,487	1,578	1,523
30	Rubber and plastics products.....	1,114	1,101	1,146	1,123	+1.2	-3.9	+2.0	1,118	1,114	1,119	1,129	970
23,27, 31	All other nondurable goods.....	3,486	3,393	3,516	3,443	+2.7	-3.5	+2.1	3,401	3,264	3,301	3,333	3,365
	FINISHED GOODS												
	All manufacturing industries..	89,770	89,291	89,755	89,638	+0.5	-0.5	+0.1	90,325	88,968	87,952	89,092	82,433
	Durable goods industries.....	47,180	47,270	46,576	46,317	-0.2	+1.5	+0.6	47,649	46,675	45,347	45,221	43,266
32	Stone, clay, and glass products...	3,218	3,214	3,202	3,187	+0.1	+0.4	+0.5	3,329	3,199	3,113	3,047	3,060
33	Primary metals.....	5,684	5,877	6,035	5,879	-3.3	-2.6	+2.7	5,785	5,854	5,969	5,834	5,743
34	Fabricated metal products.....	4,953	4,910	4,956	4,750	+0.9	-0.9	+4.3	5,069	4,913	4,815	4,618	4,797
35	Machinery, except electrical.....	12,958	12,952	12,500	12,686	0.0	+3.6	-1.5	12,973	12,693	12,213	12,407	11,265
36	Electrical Machinery.....	6,472	6,463	6,348	6,204	+0.1	+1.8	+2.3	6,419	6,269	6,131	6,080	5,402
37	Transportation equipment.....	5,175	5,124	4,915	5,127	+1.0	+4.3	-4.1	5,260	5,147	4,850	5,136	4,730
38	Instruments and related products..	2,801	2,741	2,753	2,731	+2.2	-0.4	+0.8	2,762	2,687	2,644	2,662	2,553
24,25, 39	All other durable goods.....	5,919	5,989	5,867	5,753	-1.2	+2.1	+2.0	6,052	5,913	5,612	5,437	5,716
	Nondurable goods industries.....	42,590	42,021	43,179	43,321	+1.4	-2.7	-0.3	42,676	42,293	42,605	43,871	39,167
20	Food and kindred products.....	11,921	11,820	11,886	11,964	+0.9	-0.6	-0.7	11,853	12,089	12,121	12,946	11,021
21	Tobacco products.....	326	291	228	224	+12.0	+27.6	+1.8	325	286	209	235	283
22	Textile mill products.....	2,804	2,846	2,869	2,887	-1.5	-0.8	-0.6	2,864	2,812	2,766	2,810	2,562
26	Paper and allied products.....	3,812	3,817	3,655	3,618	-0.1	+4.4	+1.0	3,829	3,745	3,522	3,588	3,235
28	Chemicals and allied products.....	9,524	9,519	10,241	10,160	+0.1	-7.1	+0.8	9,845	9,727	10,297	10,278	8,948
29	Petroleum and coal products.....	4,869	4,572	4,874	5,019	+6.5	-6.2	-2.9	4,705	4,705	4,823	5,264	4,796
30	Rubber and plastics products.....	2,806	2,788	2,816	2,857	+0.6	-1.0	-1.4	2,908	2,762	2,681	2,703	2,669
23,27, 31	All other nondurable goods.....	6,528	6,368	6,610	6,592	+2.5	-3.7	+0.3	6,347	6,167	6,186	6,047	5,653

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Feb. 1985p	Jan. 1985r	Dec. 1984	Nov. 1984	Feb. 1985p	Jan. 1985r	Dec. 1984	Nov. 1984
	All manufacturing industries	1.49	1.48	1.46	1.49	3.46	3.42	3.34	3.44
	Durable goods industries	1.87	1.85	1.84	1.87	4.19	4.15	4.04	4.16
32	Stone, clay, and glass products	1.26	1.23	1.26	1.26	0.60	0.57	0.58	0.56
33	Primary metals	1.84	1.82	1.97	1.87	1.83	1.82	1.83	1.73
34	Fabricated metal products	1.52	1.46	1.53	1.55	1.88	1.80	1.86	1.88
35	Machinery, except electrical	2.47	2.47	2.26	2.24	3.90	3.70	3.57	3.62
36	Electrical machinery	2.16	2.16	1.93	2.14	5.29	5.33	4.68	5.25
37	Transportation equipment	1.73	1.70	1.82	1.86	9.88	10.16	9.98	10.88
38	Instruments and related products	2.00	2.00	1.96	2.03	1.74	1.78	1.76	1.81
	Nondurable goods industries	1.05	1.05	1.03	1.06	0.50	0.49	0.49	0.49
20	Food and kindred products	0.86	0.86	0.86	0.89	(X)	(X)	(X)	(X)
21	Tobacco products	2.14	2.69	2.27	2.13	(X)	(X)	(X)	(X)
22	Textile mill products	1.65	1.64	1.57	1.66	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.22	1.22	1.16	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.20	1.20	1.21	1.26	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.56	0.56	0.53	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.44	1.40	1.39	1.34	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Feb. 1984	All Febs. 1980-1984	Feb. 1984-Jan. 1985	Year ago Feb. 1984	All Febs. 1980-1984	Feb. 1984-Jan. 1985	Year ago Feb. 1984	All Febs. 1980-1984	Feb. 1984-Jan. 1985	Year ago Feb. 1984	All Febs. 1980-1984	Feb. 1984-Jan. 1985
	All manufacturing industries.	0.2	0.2	0.3	0.5	0.4	0.4	0.2	0.2	0.1	0.0	0.1	0.0
	Durable goods industries	0.3	0.3	0.4	1.1	0.7	0.7	0.2	0.1	0.2	0.2	0.1	0.1
2	Stone, clay, and glass products..	1.2	0.6	0.7	0.6	1.2	1.1	1.4	1.8	1.4	0.3	0.9	0.5
3	Primary metals	0.4	0.3	0.4	2.8	1.0	1.7	1.4	0.4	0.8	0.1	0.3	0.2
4	Fabricated metal products	0.1	0.7	0.9	1.6	2.0	1.0	1.0	0.6	0.3	0.2	0.2	0.2
5	Machinery, except electrical	0.2	0.6	0.7	0.0	1.5	0.8	0.1	0.1	0.2	0.2	0.3	0.1
6	Electrical machinery	0.1	0.3	0.8	1.0	0.8	1.3	0.2	0.2	0.3	0.5	0.3	0.2
7	Transportation equipment	0.1	0.2	0.7	0.0	2.0	0.8	0.0	0.1	0.1	0.0	0.2	0.1
8	Instruments and related products.	1.8	1.6	0.9	1.9	1.7	1.4	0.1	0.1	0.6	0.5	0.9	0.3
	Nondurable goods industries	0.0	0.3	0.2	0.0	0.3	0.2	0.4	0.8	0.2	0.3	0.3	0.2
0	Food and kindred products	1.0	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.4
1	Tobacco products	0.0	0.5	0.0	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.8	0.4
2	Textile mill products	1.1	0.6	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.6	0.4
6	Paper and allied products	0.8	0.9	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.5	0.2
8	Chemicals and allied products	0.1	0.5	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.4
9	Petroleum and coal products	0.3	0.9	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.5	0.4
0	Rubber and plastics products	0.8	2.3	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	1.0	0.3
	Capital Goods Industries:												
	Nondefense	0.1	0.6	0.8	0.5	1.3	1.1	0.1	0.1	0.1	0.2	0.1	0.1
	Defense	0.1	1.4	0.8	0.7	4.4	2.3	0.1	0.2	0.1	0.1	0.2	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C 3.158:
M3-1(85)-3

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

AUG 8 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

U.S. Department of Commerce
BUREAU OF THE CENSUS

MARCH 1985
M3-1(85)-3
For Wire Transmission 10:00 A.M. E.D.T. Tuesday April 30, 1985

(All figures in text are in seasonally adjusted current dollars)

The January through March data presented in this report are consistent with the revised seasonally adjusted data for 1978-1984 released April 19 by the Department of Commerce. These revisions reflect recomputation of seasonal factors based on data through 1984, and corrections for data received too late to include in prior monthly publications.

SUMMARY. New orders for manufactured goods in March declined $1.8 billion or 0.9 percent from February to $191.6 billion. This followed a 0.9 percent decrease in February and is the eighth decline in the last 12 months.

Shipments of manufactured goods increased in March $2.0 billion or 1.1 percent to $194.3 billion. This is the ninth increase in the last 12 months. Although shipments in March were greater than incoming orders, new orders have exceeded shipments during the last year by $8.6 billion or 0.4 percent.

Unfilled orders in March declined $2.7 billion or 0.7 percent to $357.6 billion following increases in January and February of 1.0 and 0.3 percent, respectively. Despite the March decline, unfilled orders are 2.5 percent ahead of a year ago.

Inventories in March increased $0.7 billion or 0.3 percent to $286.9 billion, following a 0.1 percent increase in February. The inventory to shipments ratio was 1.48 in March and has been varying between 1.46 and 1.50 since last May.

NEW ORDERS. The March decline in new orders was caused by a decline of $3.1 billion or 3.0 percent in durable goods more than offsetting a $1.3 billion or 1.4 percent increase in nondurables. Major industry declines occurred in transportation equipment, down $2.4 billion or 9.8 percent to $22.4 billion, and nonelectrical machinery of $1.7 billion or 8.5 percent to $18.8 billion; large declines in motor vehicles and aircraft caused the transportation decrease while office and computing equipment caused the machinery decrease.

Electrical machinery increased $1.4 billion or 9.6 percent to $16.3 billion, mostly due to an increase in defense communication equipment, while primary metals and fabricated metals showed smaller increases. The nondurable goods increase was mostly due to a large increase in petroleum products.

Within the capital goods industries, nondefense was down $2.2 billion or 7.4 percent to $27.3 billion, following the large increase in February of 24.8 percent. Defense was up 22.2 percent or $1.1 billion to $6.2 billion, following a 54.0 percent decline in February.

SHIPMENTS. About one-half of the shipments increase in March of 1.1 percent resulted from a jump in petroleum products of $1.0 billion or 6.7 percent to $16.6 billion. Petroleum was up 4.6 percent in February; prior to that the industry had declined from a 1984 high in April of $17.6 billion to $14.9 billion this past January.

Shipments of durable goods in March were up $0.5 billion or 0.5 percent to $102.2 billion, with the major industries showing larger, offsetting movements. Transportation equipment was down $1.3 billion or 4.8 percent as the motor vehicle industry declined for the second month in a row, after reaching a high in January of $18.4 billion. Declines in February of 4.7 percent and March of 7.6 percent dropped motor vehicle shipments to $16.2 billion. In contrast, nonelectrical machinery was up in March $1.4 billion or 8.2 percent to $18.4 billion, the largest 1-month volume ever reported; increases within the industry were widespread.

UNFILLED ORDERS. The decline in unfilled orders in March of $2.7 billion resulted mostly from a decline in aircraft and parts of $2.2 billion or 1.9 percent to $118.1 billion. Machinery was up $1.0 billion or 0.7 percent to $145.9 billion, with increases in both electrical and nonelectrical.

Unfilled orders for capital goods were down for both the defense and nondefense categories; defense was down $0.4 billion or 0.3 percent and nondefense $0.7 billion or 0.5 percent.

INVENTORIES. Inventory increases in the durable goods sector totalling $0.8 billion or 0.4 percent were small and widespread. In the nondurable sector, there was virtually no change from February, as small increases and decreases were offsetting. By stage of fabrication, materials and supplies of manufacturers decreased 0.6 percent, while work in process and finished goods increased 0.6 percent and 0.7 percent respectively.

SCHEDULED RELEASE DATES. The advance report on durable goods for April is scheduled for release on May 22, 1985 at 8:30 A.M. and the full report on May 31, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1985p	Feb. 1985r	Jan. 1985r	Dec. 1984r	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.r	Mar. 1985p	Feb. 1985r	Jan. 1985r	Dec. 1984r	1985p	1984r
	All manufacturing industries	194,281	192,261	191,724	196,181	+1.1	+0.3	-2.3	203,879	192,579	175,771	189,108	572,229	553,047
	Manufacturing industries with unfilled orders	105,040	103,703	103,389	105,751	+1.3	+0.3	-2.2	111,057	103,983	93,671	103,881	308,711	288,998
	Durable goods industries	102,209	101,724	101,966	103,939	+0.5	-0.2	-1.9	109,383	101,849	91,591	99,614	302,823	285,646
	With unfilled orders	84,115	83,053	82,467	85,062	+1.3	+0.7	-3.1	89,606	83,179	74,079	83,772	246,864	229,742
32	Stone, clay, and glass products	4,630	4,718	4,742	4,693	-1.9	-0.5	+1.0	4,684	4,391	4,015	4,101	13,090	12,597
322	Glass containers	368	418	394	365	-12.0	+6.1	+7.9	396	389	357	312	1,142	1,124
33	Primary metals	10,078	10,411	10,500	10,322	-3.2	-0.8	+1.7	10,960	10,771	10,185	9,252	31,916	34,109
331	Blast furnaces, steel mills	4,191	4,282	4,377	4,092	-2.1	-2.2	+7.0	4,589	4,483	4,281	3,741	13,353	14,022
333-9	Nonferrous and other primary metals	4,739	4,906	4,903	4,998	-3.4	+0.1	-1.9	5,128	5,048	4,746	4,494	14,922	16,295
34	Fabricated metal products	13,476	13,204	13,478	12,910	+2.1	-2.0	+4.4	14,108	13,055	11,936	11,909	39,099	32,618
341	Metal cans, barrels, and drums	964	904	911	889	+6.6	-0.8	+2.5	957	879	773	740	2,609	2,482
35	Machinery, except electrical	18,439	17,049	16,788	17,915	+8.2	+1.6	-6.3	20,045	17,107	14,734	19,328	51,886	49,700
351	Engines and turbines	1,303	1,177	1,127	1,404	+10.7	+4.4	-19.7	1,494	1,231	1,087	1,356	3,812	3,761
352	Farm machinery and equipment	925	676	699	765	+36.8	-3.3	-8.6	1,085	699	626	673	2,410	2,898
353	Construction, mining, and material handling equipment	2,932	2,690	2,645	2,633	+9.0	+1.7	+0.5	2,932	2,757	2,365	2,647	8,054	7,556
354	Metalworking machinery	925	812	778	938	+13.9	+4.4	-17.1	1,016	839	700	959	2,555	2,357
356	General industrial machinery	1,418	1,333	1,445	1,263	+6.4	-7.8	+14.4	1,475	1,366	1,334	1,321	4,175	4,070
357	Office and computing machines	4,990	4,421	4,260	4,893	+12.9	+3.8	-12.9	5,544	4,103	3,190	6,777	12,837	11,777
36	Electrical machinery	15,619	15,220	14,782	16,730	+2.6	+3.0	-11.6	16,432	15,288	13,557	16,572	45,277	43,383
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,191	1,936	1,851	2,285	+13.2	+4.6	-19.0	2,378	1,983	1,723	2,338	6,084	6,044
363	Household appliances	1,337	1,369	1,567	1,507	-2.3	-12.6	+4.0	1,401	1,371	1,363	1,314	4,135	4,140
365	Radio and TV	969	952	951	935	+1.8	+0.1	+1.7	979	914	840	895	2,733	2,451
366	Communication equipment	5,233	5,134	4,664	5,528	+1.9	+10.1	-15.6	5,617	5,076	4,234	5,830	14,927	12,769
367	Electronic components	3,455	3,401	3,392	3,892	+1.6	+0.3	-12.8	3,562	3,482	3,175	3,652	10,219	10,541
37	Transportation equipment	25,055	26,331	26,795	26,556	-4.8	-1.7	+0.9	27,564	26,707	24,341	24,438	78,612	72,020
371	Motor vehicles and parts	16,173	17,497	18,359	17,427	-7.6	-4.7	+5.3	17,947	17,904	17,168	14,226	53,019	49,873
372,6	Aircraft, missiles, and parts	7,216	7,186	6,859	7,395	+0.4	+4.8	-7.2	7,739	7,088	5,734	8,367	20,561	17,203
3731,95	Shipbuilding and military tank vehicles	869	911	787	1,031	-4.6	+15.8	-23.7	905	903	694	1,189	2,502	2,458
38	Instruments and related products	4,645	4,784	4,542	4,562	-2.9	+5.3	-0.4	4,896	4,645	4,099	4,706	13,640	12,479
381-4	Scientific and engineering instruments	3,044	3,161	2,833	2,957	-3.7	+11.6	-4.2	3,273	3,120	2,683	3,113	9,076	7,838
386	Photographic goods	1,412	1,433	1,533	1,420	-1.5	-6.5	+8.0	1,413	1,337	1,274	1,444	4,024	4,096
24,25, 39	All other durable goods	10,267	10,007	10,339	10,251	+2.6	-3.2	+0.9	10,694	9,885	8,724	9,310	29,303	28,739
	Nondurable goods industries	92,072	90,537	89,758	92,242	+1.7	+0.9	-2.7	94,496	90,730	84,180	89,494	269,406	267,401
	With unfilled orders	20,925	20,650	20,922	20,689	+1.3	-1.3	+1.1	21,451	20,804	19,592	20,109	61,847	59,256
20	Food and kindred products	25,113	24,893	24,825	25,023	+0.9	+0.3	-0.8	26,004	24,969	22,817	24,894	73,790	72,024
201	Meat products	5,708	5,803	5,848	5,929	-1.6	-0.8	-1.4	5,628	5,687	5,620	6,042	16,935	17,156
208	Beverages	3,798	3,606	3,793	3,529	+5.3	-4.9	+7.5	3,771	3,668	3,163	3,070	10,302	9,663
207	Fats and oils	1,091	1,177	1,096	1,220	-7.3	+7.4	-10.2	1,117	1,173	1,125	1,233	3,415	4,219
203-6,9	All other foods	11,264	11,134	10,813	11,096	+1.2	+3.0	-2.6	12,210	11,568	9,840	11,420	33,618	31,587
21	Tobacco products	1,874	1,684	1,329	1,599	+11.3	+26.7	-16.9	1,799	1,522	1,208	1,717	4,529	3,776
22	Textile mill products	4,305	4,231	4,254	4,412	+1.7	-0.5	-3.6	4,719	4,224	3,706	4,141	12,649	14,178
26	Paper and allied products	8,067	8,140	8,069	8,253	-0.9	+0.9	-2.2	8,413	8,389	7,811	7,721	24,613	23,632
261-3,6	Pulp, paper etc.	3,512	3,530	3,488	3,569	-0.5	+1.2	-2.3	3,691	3,639	3,309	3,358	10,639	10,229
265	Paperboard containers	1,820	1,831	1,906	1,843	-0.6	-3.9	+3.4	1,900	1,860	1,820	1,658	5,580	5,258
264	All other paper products	2,735	2,779	2,675	2,841	-1.6	+3.9	-5.8	2,822	2,890	2,682	2,705	8,394	8,145
28	Chemicals and allied products	17,336	17,630	18,001	18,095	-1.7	-2.1	-0.5	18,910	17,860	17,124	17,550	53,894	52,614
281,6	Industrial chemicals, except pigments	5,819	5,849	5,776	5,822	-0.5	+1.3	-0.8	6,307	6,077	5,452	5,695	17,836	17,103
283,4	Drugs, soaps, and toiletries	4,423	4,627	4,734	4,592	-4.4	-2.3	+3.1	4,698	4,563	4,512	4,703	13,773	13,015
29	Petroleum and coal products	16,596	15,554	14,869	16,416	+6.7	+4.6	-9.4	16,001	15,285	14,699	16,588	45,985	48,506
30	Rubber and plastics products	4,182	4,185	4,227	4,334	-0.1	-1.0	-2.5	4,187	4,155	3,894	3,857	12,236	12,807
23,27, 31	All other nondurable goods	14,599	14,220	14,184	14,110	+2.7	+0.3	+0.5	14,463	14,326	12,921	13,024	41,710	39,862
	Market categories:													
	Home goods and apparel	13,347	12,982	12,837	13,183	+2.8	+1.1	-2.6	13,874	13,182	10,980	11,094	38,036	38,413
	Consumer staples	34,980	34,677	34,512	34,675	+0.9	+0.5	-0.5	35,916	34,396	31,705	34,867	102,017	96,692
	Equipment and defense products, except automotive	30,670	29,552	27,920	30,531	+3.8	+5.8	-8.6	32,896	29,181	24,285	33,793	86,362	78,102
	Automotive equipment	18,089	19,345	20,389	19,324	-6.5	-5.1	+5.5	20,045	19,700	18,938	15,801	58,683	55,832
	Construction materials, supplies and intermediate products	16,623	16,338	16,688	16,371	+1.7	-2.1	+1.9	16,816	15,400	13,906	14,959	46,122	39,980
	Other materials, supplies, and intermediate products	80,572	79,367	79,378	82,097	+1.5	0.0	-3.3	84,332	80,720	75,957	78,594	241,009	244,026
	Supplementary series:[2]													
	Capital goods industries	34,635	33,029	31,628	35,086	+4.9	+4.4	-9.9	37,158	32,861	27,732	38,359	97,751	89,822
	Nondefense	28,017	26,334	25,248	28,321	+6.4	+4.3	-10.9	30,175	26,212	22,089	31,069	78,476	72,974
	Defense	6,618	6,695	6,380	6,765	-1.2	+4.9	-5.7	6,983	6,649	5,643	7,290	19,275	16,847
	Household durable goods industries	6,515	6,316	6,521	6,348	+3.2	-3.1	+2.7	6,908	6,297	5,521	5,693	18,726	17,509

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1985P	Feb. 1985r	Jan. 1985r	Dec. 1984r	Feb.-Mar.P	Jan.-Feb.r	Dec.-Jan.r	Mar. 1985P	Feb. 1985r	Jan. 1985r	Dec. 1984r	1985P	1984r
	All manufacturing industries	191,605	193,438	195,210	193,671	-0.9	-0.9	+0.8	204,290	196,169	183,087	190,119	583,546	580,471
	Manufacturing industries with unfilled orders	102,364	104,881	106,875	103,241	-2.4	-1.9	+3.5	111,468	107,573	100,987	104,894	320,028	316,423
	Durable goods industries	99,737	102,848	105,447	101,307	-3.0	-2.5	+4.1	109,909	105,401	98,622	100,479	313,932	312,521
	With unfilled orders	81,643	84,177	85,948	82,430	-3.0	-2.1	+4.3	90,132	86,731	81,110	84,636	257,973	256,616
32	Stone, clay, and glass products	4,575	4,793	4,733	4,775	-4.5	+1.3	-0.9	4,648	4,553	4,066	4,151	13,267	13,056
33	Primary metals	10,117	10,015	10,803	10,098	+1.0	-7.3	+7.0	11,369	11,048	11,400	9,340	33,817	37,483
331	Blast furnaces, steel mills	4,095	4,377	4,680	4,248	-6.4	-6.5	+10.2	4,756	4,969	5,040	4,097	14,765	16,214
333-9	Nonferrous and other primary metals	4,712	4,527	4,826	4,734	+4.1	-6.2	+1.9	5,204	4,933	5,041	4,317	15,178	17,049
34	Fabricated metal products	13,290	12,979	13,582	12,824	+2.4	-4.4	+5.9	14,354	13,094	12,099	11,901	39,547	33,652
35	Machinery, except electrical	18,764	20,497	15,255	16,751	-8.5	+34.4	-8.9	20,343	20,625	13,863	18,223	54,831	53,117
351	Engines and turbines	1,015	1,172	1,072	1,555	-13.4	+9.3	-31.1	1,210	1,284	808	1,335	3,302	3,597
353	Construction, mining, and material handling equipment	3,203	2,456	2,640	2,550	+30.4	-7.0	+3.5	3,231	2,568	2,466	2,547	8,265	7,989
354	Metalworking machinery	1,087	919	915	1,113	+18.3	+0.4	-17.8	1,144	953	815	1,074	2,912	2,592
356	General industrial machinery	1,484	1,293	1,237	1,227	+14.8	+4.5	+0.8	1,532	1,371	1,220	1,233	4,123	4,164
357	Office and computing machines	5,168	7,958	3,053	3,488	-35.1	+160.7	-12.5	5,676	7,409	2,377	5,733	15,462	13,304
36	Electrical machinery	16,309	14,883	17,935	15,136	+9.6	-17.0	+18.5	17,630	15,895	17,354	15,364	50,879	49,977
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,188	1,840	2,031	2,389	+18.9	-9.4	-15.0	2,406	2,004	1,887	2,423	6,297	6,353
363	Household appliances	1,292	1,370	1,530	1,489	-5.7	-10.5	+2.8	1,379	1,356	1,386	1,311	4,121	4,190
365	Radio and TV	1,079	806	1,067	843	+33.9	-24.5	+26.6	934	915	919	870	2,768	2,508
366	Communication equipment	6,369	5,344	7,615	5,616	+19.2	-29.8	+35.6	7,237	5,671	7,562	6,346	20,470	16,204
367	Electronic components	2,927	3,161	3,362	2,198	-7.4	-6.0	+53.0	3,166	3,535	3,378	1,882	10,079	13,239
37	Transportation equipment	22,398	24,831	27,818	26,725	-9.8	-10.7	+4.1	26,044	25,435	26,422	27,691	77,901	82,785
372,6	Aircraft, missiles, and parts	4,986	6,095	8,329	8,106	-18.2	-26.8	+2.8	6,982	6,031	7,780	11,803	20,793	26,831
3731,95	Shipbuilding and military tank vehicles	539	141	577	652	+282.3	-75.6	-11.5	361	396	738	922	1,495	2,988
38	Instruments and related products	4,490	4,766	4,626	4,563	-5.8	+3.0	+1.4	4,818	4,657	4,261	4,701	13,736	12,688
24,25, 39	All other durable goods	9,794	10,084	10,695	10,435	-2.9	-5.7	+2.5	10,703	10,094	9,157	9,108	29,954	29,763
	Nondurable goods industries	91,868	90,590	89,763	92,364	+1.4	+0.9	-2.8	94,381	90,768	84,465	89,640	269,614	267,950
	With unfilled orders	20,721	20,704	20,927	20,811	+0.1	-1.1	+0.6	21,136	20,842	19,877	20,258	62,055	59,807
	Market categories:													
	Home goods and apparel	12,904	12,962	13,426	13,197	-0.4	-3.5	+1.7	13,788	13,404	11,572	10,956	38,764	39,658
	Consumer staples	34,915	34,758	34,516	34,675	+0.5	+0.7	-0.5	35,818	34,448	31,795	34,865	102,061	96,679
	Equipment and defense products, except automotive	30,207	30,747	29,982	29,016	-1.8	+2.6	+3.3	33,682	31,224	28,518	34,828	93,424	93,455
	Automotive equipment	18,065	19,662	20,231	19,186	-8.1	-2.8	+5.4	19,859	19,960	18,965	15,947	58,784	56,189
	Construction materials, supplies and intermediate products	16,250	16,511	16,822	16,574	-1.6	-1.8	+1.5	16,817	15,815	14,067	14,956	46,699	40,729
	Other materials, supplies, and intermediate products	79,264	78,798	80,233	81,023	+0.6	-1.8	-1.0	84,326	81,318	78,170	78,566	243,814	253,760
	Supplementary series:[2]													
	Capital goods industries	33,536	34,582	34,694	34,341	-3.0	-0.3	+1.0	37,880	35,307	32,635	40,984	105,822	107,361
	Nondefense	27,318	29,493	23,633	26,893	-7.4	+24.8	-12.1	30,033	29,118	22,016	29,020	81,167	80,178
	Defense	6,218	5,089	11,061	7,448	+22.2	-54.0	+48.5	7,847	6,189	10,619	11,964	24,655	27,183
	Household durable goods industries	6,090	6,220	7,093	6,371	-2.1	-12.3	+11.3	6,820	6,475	6,108	5,565	19,403	18,724

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1985[p]	Feb. 1985[r]	Jan. 1985[r]	Dec. 1984[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.[r]	Mar. 1985[p]	Feb. 1985[r]	Jan. 1985[r]	Dec. 1984[r]	Mar. 1984[r]
	All manufacturing industries..	357,630	360,307	359,125	355,640	-0.7	+0.3	+1.0	364,263	363,847	360,261	352,940	355,662
	Durable goods industries.....	347,580	350,052	348,924	345,443	-0.7	+0.3	+1.0	354,144	353,611	350,061	343,026	344,587
32	Stone, clay, and glass products...	2,534	2,587	2,513	2,522	-2.0	+2.9	-0.4	2,575	2,610	2,448	2,396	2,403
33	Primary metals.....	19,047	19,009	19,403	19,100	+0.2	-2.0	+1.6	20,407	19,997	19,719	18,502	23,683
331	Blast furnaces, steel mills.....	8,962	9,058	8,963	8,660	-1.1	+1.1	+3.5	9,814	9,647	9,160	8,401	11,882
333-9	Nonferrous and other primary metals.....	6,962	6,989	7,367	7,444	-0.4	-5.1	-1.0	7,373	7,296	7,412	7,116	8,826
34	Fabricated metal products.....	21,343	21,529	21,754	21,651	-0.9	-1.0	+0.5	21,629	21,384	21,345	21,182	21,159
35	Machinery, except electrical.....	63,569	63,245	59,794	61,328	+0.5	+5.8	-2.5	63,922	63,623	60,105	60,973	61,552
351	Engines and turbines.....	14,694	14,983	14,987	15,041	-1.9	0.0	-0.4	14,653	14,937	14,883	15,162	14,557
353	Construction, mining, and material handling equipment....	6,002	5,730	5,964	5,969	+4.7	-3.9	-0.1	6,104	5,805	5,994	5,892	6,101
354	Metalworking machinery.....	4,066	3,904	3,796	3,660	+4.1	+2.8	+3.7	4,001	3,872	3,758	3,643	2,609
356	General industrial machinery....	4,568	4,502	4,542	4,751	+1.5	-0.9	-4.4	4,609	4,552	4,547	4,661	4,741
357	Office and computing machines...	22,941	22,763	19,226	20,433	+0.8	+18.4	-5.9	22,895	22,763	19,457	20,270	21,673
36	Electrical machinery.....	82,374	81,685	82,023	78,868	+0.8	-0.4	+4.0	83,516	82,316	81,712	77,914	75,760
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,326	6,329	6,425	6,245	0.0	-1.5	+2.9	6,395	6,366	6,345	6,181	6,549
363	Household appliances.....	337	383	382	418	-12.0	+0.3	-8.6	349	371	386	363	511
365	Radio and TV.....	573	463	609	493	+23.8	-24.0	+23.5	471	515	515	435	453
366	Communication equipment.....	55,022	53,886	53,676	50,725	+2.1	+0.4	+5.8	56,111	54,491	53,897	50,569	45,627
367	Electronic components.....	18,681	19,209	19,449	19,479	-2.7	-1.2	-0.2	18,756	19,152	19,099	18,896	21,168
37	Transportation equipment.....	144,463	147,120	148,618	147,596	-1.8	-1.0	+0.7	147,851	149,369	150,642	148,562	146,098
372,6	Aircraft, missiles, and parts...	118,067	120,298	121,388	119,920	-1.9	-0.9	+1.2	120,772	121,528	122,585	120,539	113,957
3731,95	Shipbuilding and military tank vehicles.....	19,358	19,687	20,457	20,666	-1.7	-3.8	-1.0	19,849	20,393	20,901	20,857	23,186
38	Instruments and related products..	8,346	8,501	8,519	8,434	-1.8	-0.2	+1.0	8,409	8,487	8,474	8,312	7,862
24,25, 39	All other durable goods.....	5,904	6,376	6,300	5,944	-7.4	+1.2	+6.0	5,835	5,825	5,616	5,185	6,070
	Nondurable goods industries.....	10,050	10,255	10,201	10,197	-2.0	+0.5	0.0	10,119	10,236	10,200	9,914	11,074
	Market categories:												
	Home goods and apparel.....	4,690	5,133	5,154	4,562	-8.6	-0.4	+13.0	4,558	4,643	4,423	3,829	5,246
	Consumer staples.....	670	735	653	649	-8.8	+12.6	+0.6	677	775	723	633	686
	Equipment and defense products, except automotive.....	222,744	223,205	222,007	219,947	-0.2	+0.5	+0.9	226,967	226,177	224,135	219,901	212,240
	Automotive equipment.....	6,422	6,446	6,129	6,287	-0.4	+5.2	-2.5	6,589	6,775	6,515	6,489	8,135
	Construction materials, supplies and intermediate products.....	12,574	12,946	12,774	12,640	-2.9	+1.3	+1.1	12,772	12,771	12,356	12,195	12,598
	Other materials, supplies, and intermediate products.....	110,530	111,842	112,408	111,555	-1.2	-0.5	+0.8	112,700	112,706	112,109	109,894	116,757
	Supplementary series:[2]												
	Capital goods industries.....	267,236	268,334	266,777	263,713	-0.4	+0.6	+1.2	271,931	271,205	268,762	263,856	254,447
	Nondefense.....	134,787	135,486	132,322	133,938	-0.5	+2.4	-1.2	135,523	135,662	132,759	132,829	130,305
	Defense.....	132,449	132,848	134,455	129,775	-0.3	-1.2	+3.6	136,408	135,543	136,003	131,027	124,143
	Household durable goods industries.....	4,208	4,633	4,730	4,155	-9.2	-2.1	+13.8	4,111	4,198	4,021	3,433	4,705

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1985p	Feb. 1985r	Jan. 1985r	Dec. 1984r	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.r	Mar. 1985p	Feb. 1985r	Jan. 1985r	Dec. 1984r	Mar. 1984r
	All manufacturing industries..	286,876	286,146	285,785	285,709	+0.3	+0.1	0.0	287,616	287,323	284,529	281,956	269,013
	Manufacturing industries with unfilled orders.....	200,861	200,067	199,671	198,480	+0.4	+0.2	+0.6	201,220	200,193	197,689	195,155	183,628
	Durable goods industries.....	192,816	192,030	192,153	191,109	+0.4	-0.1	+0.5	193,625	192,814	190,648	188,091	177,270
	With unfilled orders.....	176,660	175,884	175,871	174,735	+0.4	0.0	+0.7	177,006	176,092	174,239	171,999	161,278
32	Stone, clay, and glass products...	5,964	5,880	5,911	5,869	+1.4	-0.5	+0.7	6,106	6,031	5,850	5,782	5,851
322	Glass containers.....	652	608	617	648	+7.2	-1.5	-4.8	656	614	599	630	653
33	Primary metals.....	19,605	19,310	19,577	20,632	+1.5	-1.4	-5.1	19,534	19,369	19,657	20,383	19,891
331	Blast furnaces, steel mills.....	8,923	8,816	8,950	9,401	+1.2	-1.5	-4.8	8,664	8,710	9,066	9,449	9,087
333-9	Nonferrous and other primary metals.....	9,322	9,160	9,304	9,969	+1.8	-1.5	-6.7	9,471	9,307	9,286	9,701	9,490
34	Fabricated metal products.....	19,266	19,024	19,139	19,251	+1.3	-0.6	-0.6	19,543	19,196	18,985	18,773	18,360
341	Metal cans, barrels, and drums..	2,492	2,405	2,437	2,479	+3.6	-1.3	-1.7	2,712	2,556	2,454	2,246	2,349
35	Machinery, except electrical.....	41,654	41,669	41,463	40,696	0.0	+0.5	+1.9	41,597	41,714	41,134	40,139	37,473
351	Engines and turbines.....	2,150	2,211	2,236	2,161	-2.8	-1.1	+3.5	2,136	2,239	2,244	2,159	2,166
352	Farm machinery and equipment....	1,915	1,871	1,907	1,907	+2.4	-1.9	0.0	1,957	1,942	1,911	1,853	1,937
353	Construction, mining, and material handling equipment....	6,750	6,788	6,818	6,940	-0.6	-0.4	-1.8	6,790	6,788	6,763	6,837	7,058
354	Metalworking machinery.....	2,658	2,582	2,567	2,436	+2.9	+0.6	+5.4	2,629	2,569	2,544	2,398	2,290
356	General industrial machinery....	3,552	3,606	3,495	3,477	-1.5	+3.2	+0.5	3,559	3,628	3,512	3,454	3,483
357	Office and computing machines...	13,001	12,985	12,869	12,634	+0.1	+0.9	+1.9	12,793	12,842	12,612	12,458	10,194
36	Electrical machinery.....	33,620	33,537	33,396	32,783	+0.2	+0.4	+1.9	33,686	33,375	32,861	32,168	29,180
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,517	4,691	4,682	4,509	-3.7	+0.2	+3.8	4,476	4,656	4,593	4,450	4,198
363	Household appliances.....	2,606	2,581	2,661	2,618	+1.0	-3.0	+1.6	2,698	2,607	2,623	2,481	2,282
365	Radio and TV.....	1,374	1,348	1,387	1,354	+1.9	-2.8	+2.4	1,319	1,295	1,316	1,314	1,039
366	Communication equipment.....	13,739	13,712	13,438	13,201	+0.2	+2.0	+1.8	13,844	13,684	13,309	12,985	11,666
367	Electronic components.....	6,557	6,491	6,591	6,440	+1.0	-1.5	+2.3	6,551	6,471	6,485	6,447	5,806
37	Transportation equipment.....	47,906	47,733	47,801	47,418	+0.4	-0.1	+0.8	48,285	48,184	47,486	46,871	42,636
371	Motor vehicles and parts.....	11,109	11,142	10,993	11,219	-0.3	+1.4	-2.0	11,215	11,364	11,149	11,110	10,023
372,6	Aircraft, missiles, and parts...	33,732	33,461	33,662	33,079	+0.8	-0.6	+1.8	33,971	33,579	33,124	32,534	29,733
3731,95	Shipbuilding and military tank vehicles.....	1,339	1,335	1,306	1,286	+0.3	+2.2	+1.6	1,341	1,347	1,297	1,274	1,253
38	Instruments and related products..	9,695	9,670	9,537	9,412	+0.3	+1.4	+1.3	9,669	9,593	9,408	9,202	9,139
381-4	Scientific and engineering instruments.....	6,947	6,945	6,841	6,798	0.0	+1.5	+0.6	6,947	6,903	6,766	6,669	6,561
386	Photographic goods.....	2,117	2,084	2,086	2,035	+1.6	-0.1	+2.5	2,093	2,061	2,030	1,955	2,024
24,25, 39	All other durable goods.....	15,106	15,207	15,329	15,048	-0.7	-0.8	+1.9	15,205	15,352	15,267	14,773	14,740
	Nondurable goods industries.....	94,060	94,116	93,632	94,600	-0.1	+0.5	-1.0	93,991	94,509	93,881	93,865	91,743
	With unfilled orders.....	24,201	24,183	23,800	23,745	+0.1	+1.6	+0.2	24,214	24,101	23,450	23,156	22,350
20	Food and kindred products.....	21,511	21,515	21,323	21,500	0.0	+0.9	-0.8	21,177	21,708	21,910	21,980	21,294
201	Meat products.....	2,237	2,294	2,240	2,330	-2.5	+2.4	-3.9	2,295	2,365	2,269	2,242	2,229
208	Beverages.....	3,444	3,440	3,429	3,473	+0.1	+0.3	-1.3	3,548	3,547	3,490	3,477	3,474
207	Fats and oils.....	1,110	1,045	1,141	1,160	+6.2	-8.4	-1.6	1,140	1,148	1,296	1,349	1,816
203-6,9	All other foods.....	12,911	12,929	12,742	12,703	-0.1	+1.5	+0.3	12,395	12,864	13,087	13,149	12,004
21	Tobacco products.....	3,530	3,629	3,599	3,558	-2.7	+0.8	+1.2	3,615	3,789	3,833	3,747	3,876
22	Textile mill products.....	6,931	6,991	6,946	7,017	-0.9	+0.6	-1.0	7,042	7,096	6,950	6,862	7,223
26	Paper and allied products.....	9,943	9,883	9,880	9,691	+0.6	0.0	+2.0	9,988	9,862	9,754	9,575	8,992
261-3,6	Pulp, paper etc.....	3,815	3,773	3,791	3,656	+1.1	-0.5	+3.7	3,825	3,766	3,747	3,648	3,306
265	Paperboard containers.....	2,684	2,686	2,685	2,629	-0.1	0.0	+2.1	2,684	2,649	2,642	2,609	2,420
264	All other paper products.....	3,444	3,424	3,404	3,406	+0.6	+0.6	-0.1	3,479	3,447	3,365	3,318	3,266
28	Chemicals and allied products.....	21,451	21,366	21,360	21,872	+0.4	0.0	-2.3	21,664	21,628	21,412	21,758	20,492
281,6	Industrial chemicals, except pigments.....	6,572	6,605	6,522	6,753	-0.5	+1.3	-3.4	6,591	6,619	6,555	6,666	6,347
283,4	Drugs, soaps, and toiletries....	6,737	6,723	6,783	6,849	+0.2	-0.9	-1.0	6,730	6,710	6,681	6,711	6,390
29	Petroleum and coal products.....	8,023	8,045	8,209	8,427	-0.3	-2.0	-2.6	7,843	7,986	8,183	8,273	8,282
30	Rubber and plastics products.....	6,087	6,028	5,931	5,989	+1.0	+1.6	-1.0	6,242	6,051	5,867	5,892	6,062
23,27, 31	All other nondurable goods.....	16,584	16,659	16,384	16,546	-0.5	+1.7	-1.0	16,420	16,389	15,972	15,778	15,522
	Market categories:												
	Home goods and apparel.....	22,736	22,885	23,136	23,046	-0.7	-1.1	+0.4	22,671	22,756	22,747	22,186	21,659
	Consumer staples.....	34,336	34,417	34,102	34,262	-0.2	+0.9	-0.5	34,095	34,621	34,592	34,483	32,829
	Equipment and defense products, except automotive.....	85,172	85,263	84,796	83,372	-0.1	+0.6	+1.7	85,519	85,388	84,008	82,293	75,637
	Automotive equipment.....	13,595	13,680	13,499	13,713	-0.6	+1.3	-1.6	13,816	14,042	13,738	13,691	12,362
	Construction materials, supplies and intermediate products.....	19,625	19,495	19,583	19,551	+0.7	-0.4	+0.2	19,973	19,781	19,406	19,248	19,739
	Other materials, supplies, and intermediate products.....	111,412	110,406	110,669	111,765	+0.9	-0.2	-1.0	111,542	110,735	110,038	110,056	106,787
	Supplementary series:[2]												
	Capital goods industries.....	96,966	96,834	96,427	94,813	+0.1	+0.4	+1.7	97,156	96,834	95,219	93,242	85,862
	Nondefense.....	73,299	73,429	73,336	72,296	-0.2	+0.1	+1.4	73,165	73,413	72,606	71,078	66,870
	Defense.....	23,667	23,405	23,091	22,517	+1.1	+1.4	+2.5	23,991	23,421	22,613	22,164	18,992
	Household durable goods industries.....	11,714	11,680	11,837	11,585	+0.3	-1.3	+2.2	11,716	11,675	11,649	11,227	10,410

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Mar. 1985[p]	Feb. 1985[r]	Jan. 1985[r]	Dec. 1984[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.[r]	Mar. 1985[p]	Feb. 1985[r]	Jan. 1985[r]	Dec. 1984[r]	Mar. 1984[r]
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	92,125	92,682	92,764	93,104	-0.6	-0.1	-0.4	92,370	93,176	93,345	93,423	90,193
	Durable goods industries.....	55,701	55,768	56,033	56,469	-0.1	-0.5	-0.8	55,495	55,863	56,066	56,406	52,797
32	Stone, clay, and glass products...	1,847	1,858	1,864	1,896	-0.6	-0.3	-1.7	1,851	1,860	1,862	1,914	1,875
33	Primary metals.....	5,729	5,949	6,118	6,461	-3.7	-2.8	-5.3	5,612	5,948	6,242	6,651	6,277
34	Fabricated metal products.....	7,394	7,259	7,306	7,489	+1.9	-0.6	-2.4	7,476	7,284	7,325	7,425	7,143
35	Machinery, except electrical.....	12,004	11,847	11,947	11,879	+1.3	-0.8	+0.6	11,946	11,863	11,943	11,809	10,881
36	Electrical Machinery.....	8,873	8,866	8,748	8,767	+0.1	+1.3	-0.2	8,798	8,822	8,723	8,681	7,916
37	Transportation equipment.....	11,389	11,565	11,642	11,755	-1.5	-0.7	-1.0	11,459	11,678	11,540	11,653	10,863
38	Instruments and related products..	2,755	2,807	2,728	2,643	-1.9	+2.9	+3.2	2,749	2,774	2,725	2,625	2,560
24,25, 39	All other durable goods.....	5,710	5,617	5,680	5,579	+1.7	-1.1	+1.8	5,604	5,634	5,706	5,648	5,282
	Nondurable goods industries.....	36,424	36,914	36,731	36,635	-1.3	+0.5	+0.3	36,875	37,313	37,279	37,017	37,396
20	Food and kindred products.....	7,619	7,798	7,739	7,851	-2.3	+0.8	-1.4	7,822	8,067	8,104	8,118	8,490
21	Tobacco products.....	3,060	3,105	3,040	3,032	-1.4	+2.1	+0.3	3,139	3,268	3,305	3,267	3,382
22	Textile mill products.....	2,156	2,209	2,153	2,142	-2.4	+2.6	+0.5	2,209	2,228	2,162	2,121	2,282
26	Paper and allied products.....	4,862	4,915	4,924	4,876	-1.1	-0.2	+1.0	4,870	4,885	4,886	4,929	4,622
28	Chemicals and allied products.....	8,090	8,175	8,213	8,210	-1.0	-0.5	0.0	8,174	8,212	8,272	8,193	7,931
29	Petroleum and coal products.....	1,938	2,027	2,059	2,104	-4.4	-1.6	-2.1	1,939	1,983	2,050	2,017	2,168
30	Rubber and plastics products.....	2,018	1,980	1,948	1,999	+1.9	+1.6	-2.6	2,008	1,956	1,947	2,069	2,244
23,27, 31	All other nondurable goods.....	6,681	6,705	6,655	6,421	-0.4	+0.8	+3.6	6,714	6,714	6,553	6,303	6,277
	WORK IN PROCESS												
	All manufacturing industries..	104,278	103,609	103,328	102,916	+0.6	+0.3	+0.4	104,672	103,874	102,393	100,760	95,556
	Durable goods industries.....	89,717	88,967	88,672	88,105	+0.8	+0.3	+0.6	90,170	89,317	87,944	86,383	80,775
32	Stone, clay, and glass products...	800	786	791	782	+1.8	-0.6	+1.2	840	828	783	755	816
33	Primary metals.....	8,138	7,609	7,467	8,036	+7.0	+1.9	-7.1	8,061	7,630	7,561	7,763	7,738
34	Fabricated metal products.....	6,855	6,818	6,934	6,884	+0.5	-1.7	+0.7	6,979	6,849	6,772	6,558	6,462
35	Machinery, except electrical.....	16,635	16,882	16,598	16,357	-1.5	+1.7	+1.5	16,621	16,906	16,510	16,129	15,600
36	Electrical Machinery.....	18,145	18,111	18,115	17,648	+0.2	0.0	+2.6	18,210	18,058	17,827	17,315	15,537
37	Transportation equipment.....	31,407	30,965	30,997	30,753	+1.4	-0.1	+0.8	31,695	31,237	30,788	30,364	27,038
38	Instruments and related products..	4,166	4,098	4,078	4,042	+1.7	+0.5	+0.9	4,180	4,092	4,007	3,944	3,962
24,25, 39	All other durable goods.....	3,571	3,698	3,692	3,603	-3.4	+0.2	+2.5	3,584	3,717	3,696	3,555	3,622
	Nondurable goods industries.....	14,561	14,642	14,656	14,811	-0.6	-0.1	-1.0	14,502	14,557	14,449	14,377	14,781
20	Food and kindred products.....	1,670	1,677	1,666	1,683	-0.4	+0.7	-1.0	1,696	1,728	1,718	1,741	1,772
21	Tobacco products.....	188	202	271	295	-6.9	-25.5	-8.1	175	199	243	272	194
22	Textile mill products.....	1,955	1,961	1,956	1,991	-0.3	+0.3	-1.8	1,974	1,999	1,976	1,975	2,296
26	Paper and allied products.....	1,186	1,141	1,149	1,176	+3.9	-0.7	-2.3	1,173	1,127	1,123	1,124	1,102
28	Chemicals and allied products.....	3,548	3,499	3,533	3,418	+1.4	-1.0	+3.4	3,556	3,505	3,467	3,323	3,344
29	Petroleum and coal products.....	1,304	1,440	1,526	1,553	-9.4	-5.6	-1.7	1,298	1,378	1,468	1,474	1,555
30	Rubber and plastics products.....	1,157	1,214	1,202	1,193	-4.7	+1.0	+0.8	1,147	1,188	1,194	1,171	1,067
23,27, 31	All other nondurable goods.....	3,553	3,508	3,353	3,502	+1.3	+4.6	-4.3	3,483	3,433	3,260	3,297	3,451
	FINISHED GOODS												
	All manufacturing industries..	90,473	89,855	89,693	89,689	+0.7	+0.2	0.0	90,574	90,273	88,791	87,773	83,264
	Durable goods industries.....	47,398	47,295	47,448	46,535	+0.2	-0.3	+2.0	47,960	47,634	46,638	45,302	43,698
32	Stone, clay, and glass products...	3,317	3,236	3,256	3,191	+2.5	-0.6	+2.0	3,415	3,343	3,205	3,113	3,160
33	Primary metals.....	5,738	5,752	5,992	6,135	-0.2	-4.0	-2.3	5,861	5,791	5,854	5,969	5,876
34	Fabricated metal products.....	5,017	4,947	4,899	4,878	+1.4	+1.0	+0.4	5,088	5,063	4,888	4,790	4,755
35	Machinery, except electrical.....	13,015	12,940	12,918	12,460	+0.6	+0.2	+3.7	13,030	12,945	12,681	12,201	10,992
36	Electrical Machinery.....	6,602	6,560	6,533	6,368	+0.6	+0.4	+2.6	6,678	6,495	6,311	6,172	5,727
37	Transportation equipment.....	5,110	5,203	5,162	4,910	-1.8	+0.8	+5.1	5,131	5,269	5,158	4,854	4,735
38	Instruments and related products..	2,774	2,765	2,731	2,727	+0.3	+1.2	+0.1	2,740	2,727	2,676	2,633	2,617
24,25, 39	All other durable goods.....	5,825	5,892	5,957	5,866	-1.1	-1.1	+1.6	6,017	6,001	5,865	5,570	5,836
	Nondurable goods industries.....	43,075	42,560	42,245	43,154	+1.2	+0.7	-2.1	42,614	42,639	42,153	42,471	39,566
20	Food and kindred products.....	12,222	12,040	11,918	11,966	+1.5	+1.0	-0.4	11,659	11,913	12,088	12,121	11,032
21	Tobacco products.....	282	322	288	231	-12.4	+11.8	+24.7	301	322	285	208	300
22	Textile mill products.....	2,820	2,821	2,837	2,884	0.0	-0.6	-1.6	2,859	2,869	2,812	2,766	2,645
26	Paper and allied products.....	3,895	3,827	3,807	3,639	+1.8	+0.5	+4.6	3,945	3,850	3,745	3,522	3,268
28	Chemicals and allied products.....	9,813	9,692	9,614	10,244	+1.2	+0.8	-6.1	9,934	9,911	9,673	10,242	9,217
29	Petroleum and coal products.....	4,781	4,578	4,624	4,770	+4.4	-1.0	-3.1	4,606	4,625	4,665	4,782	4,559
30	Rubber and plastics products.....	2,912	2,834	2,781	2,797	+2.8	+1.9	-0.6	3,087	2,907	2,726	2,652	2,751
23,27, 31	All other nondurable goods.....	6,350	6,446	6,376	6,623	-1.5	+1.1	-3.7	6,223	6,242	6,159	6,178	5,794

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Mar. 1985[P]	Feb. 1985[r]	Jan. 1985[r]	Dec. 1984[r]	Mar. 1985[P]	Feb. 1985[r]	Jan. 1985[r]	Dec. 1984[r]
	All manufacturing industries	1.48	1.49	1.49	1.46	3.40	3.47	3.47	3.36
	Durable goods industries	1.89	1.89	1.88	1.84	4.13	4.21	4.23	4.06
32	Stone, clay, and glass products	1.29	1.25	1.25	1.25	0.59	0.60	0.58	0.58
33	Primary metals	1.95	1.85	1.86	2.00	1.89	1.83	1.85	1.85
34	Fabricated metal products	1.43	1.44	1.42	1.49	1.71	1.75	1.73	1.80
35	Machinery, except electrical	2.26	2.44	2.47	2.27	3.63	3.86	3.72	3.58
36	Electrical machinery	2.15	2.20	2.26	1.96	5.27	5.37	5.55	4.71
37	Transportation equipment	1.91	1.81	1.78	1.79	10.45	10.36	10.47	10.02
38	Instruments and related products	2.09	2.02	2.10	2.06	1.80	1.78	1.88	1.85
	Nondurable goods industries	1.02	1.04	1.04	1.03	0.48	0.50	0.49	0.49
20	Food and kindred products	0.86	0.86	0.86	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	1.88	2.15	2.71	2.23	(X)	(X)	(X)	(X)
22	Textile mill products	1.61	1.65	1.63	1.59	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.23	1.21	1.22	1.17	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.24	1.21	1.19	1.21	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.48	0.52	0.55	0.51	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.46	1.44	1.40	1.38	(X)	(X)	(X)	(X)

[P]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Mar. 1984	All Mars. 1980-1984	Mar. 1984-Feb. 1985	Year ago Mar. 1984	All Mars. 1980-1984	Mar. 1984-Feb. 1985	Year ago Mar. 1984	All Mars. 1980-1984	Mar. 1984-Feb. 1985	Year ago Mar. 1984	All Mars. 1980-1984	Mar. 1984-Feb. 1985
	All manufacturing industries	0.2	0.1	0.3	0.5	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.0
	Durable goods industries	0.0	0.3	0.5	0.7	0.4	0.7	0.2	0.1	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products	0.1	0.8	0.7	0.4	1.2	1.3	0.5	1.6	1.5	0.1	0.7	0.5
33	Primary metals	0.6	1.4	0.5	0.5	2.7	1.4	2.0	1.0	0.7	0.1	0.4	0.2
34	Fabricated metal products	1.0	1.3	1.1	0.4	1.3	1.1	0.3	0.5	0.3	0.2	0.2	0.3
35	Machinery, except electrical	0.2	0.9	0.7	0.6	1.6	0.8	0.1	0.3	0.2	0.1	0.2	0.1
36	Electrical machinery	0.2	0.5	1.1	0.9	1.2	1.1	0.2	0.2	0.3	0.1	0.2	0.2
37	Transportation equipment	0.4	1.1	0.8	0.5	3.2	1.0	0.0	0.4	0.1	0.1	0.3	0.1
38	Instruments and related products	2.1	1.1	0.9	0.2	1.5	1.4	1.0	0.6	0.6	0.4	0.5	0.3
	Nondurable goods industries	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.8	0.2	0.2	0.5	0.2
20	Food and kindred products	0.2	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.4
21	Tobacco products	0.3	2.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.8	0.4
22	Textile mill products	0.1	1.3	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.7	0.4
26	Paper and allied products	0.6	0.4	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.5	0.2
28	Chemicals and allied product	0.6	1.0	0.8	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.4	0.4
29	Petroleum and coal products	1.1	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.1	1.4	0.4
30	Rubber and plastics products	1.2	1.9	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5	0.3
	Capital Goods Industries:												
	Nondefense	0.6	0.8	1.1	1.0	2.3	1.2	0.1	0.1	0.1	0.1	0.1	0.1
	Defense	0.1	1.2	1.0	0.8	4.6	2.8	0.0	0.6	0.2	0.3	0.4	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

C 3.158:
M 3-1 (85)-4

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

APRIL 1985

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(85)-4
For Wire Transmission 10:00 a.m. E.D.T. Friday, May 31, 1985

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods declined in April $0.9 billion or 0.5 percent from March to $190.8 billion. This is the third consecutive decline since the high reached in January of $195.2 billion. Durable goods orders declined 0.2 percent, revising downward the earlier reported 1.0 percent increase. Orders for nondurables were down 0.8 percent.

Shipments of manufactured goods showed a small decline in April, down $0.7 billion or 0.4 percent to $193.6 billion. Shipments increased during most of 1984 peaking at $196.2 billion in December, but have since been relatively flat, averaging $193.0 billion per month in 1985.

Unfilled orders in April were down $2.8 billion or 0.8 percent to $354.5 billion following a 0.7 percent decline in March. This is the fifth decline in unfilled orders since the high last August of $360.8 billion.

Manufacturers' inventories showed a slight increase in April of $0.3 billion or 0.1 percent to $286.5 billion. Both the durable and nondurable sectors were nominally up. The inventory to shipments ratio moved up from 1.47 in March to 1.48 in April.

NEW ORDERS. The small decline in durable goods new orders in April resulted from large declines in the machinery industries offsetting increases in all the other major industries. Nonelectrical machinery in April was down $1.9 billion or 10.1 percent to $16.9 billion following an 8.4 percent decline in March. These large declines offset most of the 34 percent increase of February; prior to that, orders had been generally declining for 6 months. Electrical machinery was down $1.7 billion or 10.7 percent to $14.2 billion, offsetting last month's increase of 9.4 percent; orders in this category over the last year averaged $15.9 billion per month.

The largest increases were in transportation equipment and primary metals. Transportation was up $1.4 billion or 6.1 percent to $23.9 billion with nearly all the increase coming in the aircraft industry; primary metals were up $1.0 billion or 9.6 percent to $11.0 billion, as a result of increases in both the steel and nonferrous categories.

New orders for nondurables declined $0.7 billion or 0.8 percent to $91.3 billion, with declines in food, tobacco, paper and printing more than offsetting increases in chemicals and petroleum.

SHIPMENTS. The shipments decline of 0.4 percent resulted mostly from decreases in nondurable shipments, down $0.6 billion or 0.7 percent to $91.6 billion; declines in foods, tobacco, and printing were partially offset by increases in chemicals and petroleum.

Shipments of durable goods were flat in April, as a large decline in machinery of $1.2 billion or 3.4 percent was offset by small increases in most of the other industries.

UNFILLED ORDERS. The unfilled orders decline of 0.8 percent in April was mostly due to decreases in nonelectrical machinery and transportation equipment. Nonelectrical was down $1.3 billion or 2.0 percent to $62.4 billion, as office and computing equipment decreased $1.1 billion. Transportation was down $1.5 billion or 1.0 percent to $143.1 billion, with aircraft and parts declining $0.9 billion or 0.8 percent to $117.2 billion. Primary metals increased $0.6 billion or 3.0 percent to $19.6 billion; this is only the second increase in the last 12 months.

INVENTORIES. April inventories showed little change from March in virtually all industries. Transportation equipment showed the largest increase, up $0.4 billion or 0.7 percent to $48.1 billion; primary metals had the largest decline, down $0.3 billion or 1.4 percent to $19.3 billion.

Total inventories increased from June 1983 at $257.5 billion to October 1984 at $285.6 billion, but have been about unchanged since then. While total inventories have been flat for the last 6 months, small increases in finished goods and work in process were offset by declines in materials and supplies between October and March. In contrast, April showed an increase in materials and supplies of 0.3 percent and a decline in work in process of 0.5 percent; however, finished goods continued to expand, up 0.5 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for May is scheduled for release on June 25, 1985 at 8:30 A.M. and the full report on July 2, 1985 at 10:00 A.M.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
AUG 8 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through commercial vendors. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1985P	Mar. 1985r	Feb. 1985	Jan. 1985	Mar.-Apr.P	Feb.-Mar.r	Jan.-Feb.	Apr. 1985P	Mar. 1985r	Feb. 1985	Jan. 1985	1985P	1984
	All manufacturing industries	193,646	194,354	192,261	191,724	-0.4	+1.1	+0.3	194,715	203,966	192,579	175,771	767,031	741,787
	Manufacturing industries with unfilled orders	104,413	104,993	103,703	103,389	-0.6	+1.2	+0.3	104,690	111,005	103,983	93,671	413,349	387,121
	Durable goods industries	102,091	102,167	101,724	101,966	-0.1	+0.4	-0.2	103,923	109,358	101,849	91,591	406,721	383,076
	With unfilled orders	83,774	83,958	83,053	82,467	-0.2	+1.1	+0.7	84,137	89,449	83,179	74,079	330,844	307,755
32	Stone, clay, and glass products	4,909	4,670	4,718	4,742	+5.1	-1.0	-0.5	4,969	4,725	4,391	4,015	18,100	17,175
322	Glass containers	415	371	418	394	+11.9	-11.2	+6.1	422	399	389	357	1,567	1,520
33	Primary metals	10,408	10,034	10,411	10,500	+3.7	-3.6	-0.8	10,921	10,912	10,771	10,185	42,789	45,632
331	Blast furnaces, steel mills	4,401	4,181	4,282	4,377	+5.3	-2.4	-2.2	4,634	4,579	4,483	4,281	17,977	18,785
333-9	Nonferrous and other primary metals	4,763	4,682	4,906	4,903	+1.7	-4.6	+0.1	4,963	5,066	5,048	4,746	19,823	21,776
34	Fabricated metal products	13,503	13,470	13,204	13,478	+0.2	+2.0	-2.0	13,704	14,106	13,055	11,936	52,801	43,724
341	Metal cans, barrels, and drums	947	953	904	911	-0.6	+5.4	-0.8	929	947	879	773	3,528	3,368
35	Machinery, except electrical	18,167	18,367	17,049	16,788	-1.1	+7.7	+1.6	17,808	19,982	17,107	14,734	69,631	66,385
351	Engines and turbines	1,238	1,315	1,177	1,127	-5.9	+11.7	+4.4	1,275	1,509	1,231	1,087	5,102	5,094
352	Farm machinery and equipment	947	978	676	699	-3.2	+44.7	-3.3	1,060	1,147	699	626	3,532	3,914
353	Construction, mining, and material handling equipment	2,966	2,813	2,690	2,645	+5.4	+4.6	+1.7	2,913	2,813	2,757	2,365	10,848	10,141
354	Metalworking machinery	778	912	812	778	-14.7	+12.3	+4.4	766	1,001	839	700	3,306	3,171
356	General industrial machinery	1,571	1,399	1,333	1,445	+12.3	+5.0	-7.8	1,509	1,455	1,366	1,334	5,664	5,414
357	Office and computing machines	4,791	4,985	4,421	4,260	-3.9	+12.8	+3.8	4,196	5,538	4,103	3,190	17,027	15,466
36	Electrical machinery	14,583	15,544	15,220	14,782	-6.2	+2.1	+3.0	14,609	16,352	15,288	13,557	59,806	58,029
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,989	2,126	1,936	1,851	-6.4	+9.8	+4.6	1,998	2,307	1,983	1,723	8,011	8,063
363	Household appliances	1,342	1,336	1,369	1,567	+0.4	-2.4	-12.6	1,353	1,400	1,371	1,363	5,487	5,477
365	Radio and TV	900	948	952	951	-5.1	-0.4	+0.1	797	959	914	840	3,510	3,181
366	Communication equipment	4,751	5,222	5,134	4,664	-9.0	+1.7	+10.1	4,855	5,605	5,076	4,234	19,770	17,180
367	Electronic components	3,181	3,475	3,401	3,392	-8.5	+2.2	+0.3	3,305	3,583	3,482	3,175	13,545	14,342
37	Transportation equipment	25,394	25,120	26,331	26,795	+1.1	-4.6	-1.7	26,699	27,639	26,707	24,341	105,386	96,230
371	Motor vehicles and parts	16,471	16,187	17,497	18,359	+1.8	-7.5	-4.7	17,743	17,962	17,904	17,168	70,777	66,287
372,6	Aircraft, missiles, and parts	7,261	7,226	7,186	6,859	+0.5	+0.6	+4.8	7,187	7,750	7,088	5,734	27,759	23,214
3731,95	Shipbuilding and military tank vehicles	833	873	911	787	-4.6	-4.2	+15.8	798	910	903	694	3,305	3,336
38	Instruments and related products	4,738	4,692	4,784	4,542	+1.0	-1.9	+5.3	4,566	4,946	4,645	4,099	18,256	16,850
381-4	Scientific and engineering instruments	3,098	3,087	3,161	2,833	+0.4	-2.3	+11.6	2,995	3,319	3,120	2,683	12,117	10,479
386	Photographic goods	1,448	1,416	1,433	1,533	+2.3	-1.2	-6.5	1,373	1,417	1,337	1,274	5,401	5,609
24,25, 39	All other durable goods	10,389	10,270	10,007	10,339	+1.2	+2.6	-3.2	10,647	10,696	9,885	8,724	39,952	39,049
	Nondurable goods industries	91,555	92,187	90,537	89,758	-0.7	+1.8	+0.9	90,792	94,608	90,730	84,180	360,310	358,711
	With unfilled orders	20,639	21,035	20,650	20,922	-1.9	+1.9	-1.3	20,553	21,556	20,804	19,592	82,505	79,366
20	Food and kindred products	24,424	25,045	24,893	24,825	-2.5	+0.6	+0.3	23,801	25,939	24,969	22,817	97,526	96,366
201	Meat products	5,557	5,703	5,803	5,848	-2.6	-1.7	-0.8	5,357	5,623	5,687	5,620	22,287	22,911
208	Beverages	3,750	3,704	3,606	3,793	+1.2	+2.7	-4.9	3,922	3,678	3,368	3,163	14,131	13,387
207	Fats and oils	1,187	1,089	1,177	1,096	+9.0	-7.5	+7.4	1,137	1,115	1,173	1,125	4,550	5,561
203-6,9	All other foods	10,694	11,284	11,134	10,813	-5.2	+1.3	+3.0	10,159	12,232	11,568	9,840	43,799	41,877
21	Tobacco products	1,468	1,874	1,684	1,329	-21.7	+11.3	+26.7	1,442	1,800	1,522	1,208	5,972	5,062
22	Textile mill products	4,346	4,306	4,231	4,254	+0.9	+1.8	-0.5	4,313	4,720	4,224	3,706	16,963	18,855
26	Paper and allied products	7,995	8,047	8,140	8,069	-0.6	-1.1	+0.9	8,062	8,394	8,389	7,811	32,656	31,549
261-3,6	Pulp, paper etc.	3,531	3,504	3,530	3,488	+0.8	-0.7	+1.2	3,602	3,683	3,639	3,309	14,233	13,720
265	Paperboard containers	1,873	1,823	1,831	1,906	+2.7	-0.4	-3.9	1,878	1,904	1,860	1,820	7,462	7,061
264	All other paper products	2,591	2,720	2,779	2,675	-4.7	-2.1	+3.9	2,582	2,807	2,890	2,682	10,961	10,768
28	Chemicals and allied products	17,984	17,583	17,630	18,001	+2.3	-0.3	-2.1	18,727	19,157	17,860	17,124	72,868	70,937
281,6	Industrial chemicals, except pigments	5,823	5,953	5,849	5,776	-2.2	+1.8	+1.3	6,056	6,453	6,077	5,452	24,038	23,048
283,4	Drugs, soaps, and toiletries	4,462	4,547	4,627	4,734	-1.9	-1.7	-2.3	4,127	4,829	4,563	4,512	18,031	17,069
29	Petroleum and coal products	16,812	16,520	15,554	14,869	+1.8	+6.2	+4.6	16,394	15,923	15,285	14,699	62,301	65,659
30	Rubber and plastics products	4,180	4,102	4,185	4,227	+1.9	-2.0	-1.0	4,243	4,107	4,155	3,894	16,399	17,278
23,27, 31	All other nondurable goods	14,346	14,710	14,220	14,184	-2.5	+3.4	+0.3	13,810	14,568	14,326	12,921	55,625	53,003
	Market categories:													
	Home goods and apparel	13,252	13,273	12,982	12,837	-0.2	+2.2	+1.1	12,705	13,803	13,182	10,980	50,670	50,676
	Consumer staples	33,917	35,116	34,677	34,512	-3.4	+1.3	+0.5	33,115	36,060	34,396	31,705	135,276	129,522
	Equipment and defense products, except automotive	30,393	30,887	29,552	27,920	-1.6	+4.5	+5.8	29,729	33,149	29,181	24,285	116,344	104,672
	Automotive equipment	18,397	18,148	19,345	20,389	+1.4	-6.2	-5.1	19,930	20,111	19,700	18,938	78,679	74,517
	Construction materials, supplies and intermediate products	17,021	16,669	16,338	16,688	+2.1	+2.0	-2.1	17,288	16,858	15,400	13,906	63,452	54,553
	Other materials, supplies, and intermediate products	80,666	80,261	79,367	79,378	+0.5	+1.1	0.0	81,948	83,985	80,720	75,957	322,610	327,845
	Supplementary series:[2]													
	Capital goods industries	33,653	34,485	33,029	31,628	-2.4	+4.4	+4.4	32,923	37,009	32,861	27,732	130,525	120,257
	Nondefense	27,220	27,767	26,334	25,248	-2.0	+5.4	+4.3	26,505	29,921	26,212	22,089	104,727	97,503
	Defense	6,433	6,718	6,695	6,380	-4.2	+0.3	+4.9	6,418	7,088	6,649	5,643	25,798	22,752
	Household durable goods industries	6,489	6,502	6,316	6,521	-0.2	+2.9	-3.1	6,403	6,895	6,297	5,521	25,116	23,365

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1985P	Mar. 1985r	Feb. 1985r	Jan. 1985	Mar.-Apr.P	Feb.-Mar.r	Jan.-Feb.r	Apr. 1985P	Mar. 1985r	Feb. 1985r	Jan. 1985	1985P	1984
	All manufacturing industries	190,827	191,716	193,057	195,210	-0.5	-0.7	-1.1	192,314	204,427	195,781	183,087	775,609	771,415
	Manufacturing industries with unfilled orders	101,594	102,355	104,500	106,875	-0.7	-2.1	-2.2	102,289	111,465	107,185	100,987	421,926	416,751
	Durable goods industries	99,540	99,728	102,467	105,447	-0.2	-2.7	-2.8	101,627	109,927	105,013	98,622	415,189	412,112
	With unfilled orders	81,223	81,519	83,796	85,948	-0.4	-2.7	-2.5	81,841	90,018	86,343	81,110	339,312	336,789
32	Stone, clay, and glass products	4,920	4,644	4,793	4,733	+5.9	-3.1	+1.3	4,995	4,718	4,553	4,066	18,332	17,677
33	Primary metals	10,977	10,020	10,015	10,803	+9.6	0.0	-7.3	11,040	11,266	11,048	11,400	44,754	49,186
331	Blast furnaces, steel mills	4,753	4,094	4,377	4,680	+16.1	-6.5	-6.5	4,665	4,754	4,969	5,040	19,428	20,778
333-9	Nonferrous and other primary metals	4,911	4,657	4,527	4,826	+5.5	+2.9	-6.2	5,021	5,144	4,933	5,041	20,139	22,817
34	Fabricated metal products	13,430	13,253	12,979	13,582	+1.3	+2.1	-4.4	13,476	14,319	13,094	12,099	52,988	44,580
35	Machinery, except electrical	16,889	18,782	20,497	15,255	-10.1	-8.4	+34.4	16,816	20,378	20,625	13,863	71,682	70,305
351	Engines and turbines	1,013	1,060	1,172	1,072	-4.4	-9.6	+9.3	963	1,257	1,284	808	4,312	4,818
353	Construction, mining, and material handling equipment	3,007	3,064	2,456	2,640	-1.9	+24.8	-7.0	2,900	3,092	2,568	2,466	11,026	10,573
354	Metalworking machinery	921	1,060	919	915	-13.1	+15.3	+0.4	902	1,116	953	815	3,786	3,454
356	General industrial machinery	1,498	1,515	1,293	1,237	-1.1	+17.2	+4.5	1,449	1,563	1,371	1,220	5,603	5,540
357	Office and computing machines	3,653	5,193	7,958	3,053	-29.7	-34.7	+160.7	3,519	5,701	7,409	2,377	19,006	17,676
36	Electrical machinery	14,173	15,871	14,502	17,935	-10.7	+9.4	-19.1	13,912	17,180	15,507	17,354	63,953	65,118
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,891	2,098	1,840	2,031	-9.9	+14.0	-9.4	1,929	2,310	2,004	1,887	8,130	8,392
363	Household appliances	1,349	1,306	1,370	1,530	+3.3	-4.7	-10.5	1,368	1,394	1,356	1,386	5,504	5,537
365	Radio and TV	846	1,063	806	1,067	-20.4	+31.9	-24.5	612	918	915	919	3,364	3,041
366	Communication equipment	5,189	6,322	4,963	7,615	-17.9	+27.4	-34.8	4,821	7,185	5,283	7,562	24,851	20,437
367	Electronic components	2,465	2,644	3,161	3,362	-6.8	-16.4	-6.0	2,869	2,882	3,535	3,378	12,664	17,875
37	Transportation equipment	23,917	22,532	24,831	27,818	+6.1	-9.3	-10.7	25,725	26,191	25,435	26,422	103,773	107,560
372,6	Aircraft, missiles, and parts	6,341	5,026	6,095	8,329	+26.2	-17.5	-26.8	6,870	7,026	6,031	7,780	27,707	33,804
3731,95	Shipbuilding and military tank vehicles	443	555	141	577	-20.2	+293.6	-75.6	458	377	396	738	1,969	3,515
38	Instruments and related products	4,891	4,590	4,766	4,626	+6.6	-3.7	+3.0	4,714	4,911	4,657	4,261	18,543	17,076
24,25, 39	All other durable goods	10,343	10,036	10,084	10,695	+3.1	-0.5	-5.7	10,949	10,964	10,094	9,157	41,164	40,610
	Nondurable goods industries	91,287	91,988	90,590	89,763	-0.8	+1.5	+0.9	90,687	94,500	90,768	84,465	360,420	359,303
	With unfilled orders	20,371	20,836	20,704	20,927	-2.2	+0.6	-1.1	20,448	21,447	20,842	19,877	82,614	79,962
	Market categories:													
	Home goods and apparel	13,047	13,094	12,962	13,426	-0.4	+1.0	-3.5	12,777	13,991	13,404	11,572	51,744	52,298
	Consumer staples	33,913	35,047	34,758	34,516	-3.2	+0.8	+0.7	33,086	35,958	34,448	31,795	135,287	129,473
	Equipment and defense products, except automotive	29,420	30,750	30,366	29,982	-4.3	+1.3	+1.3	28,623	34,263	30,836	28,518	122,240	119,852
	Automotive equipment	18,222	18,123	19,662	20,231	+0.5	-7.8	-2.8	19,613	19,924	19,960	18,965	78,462	74,844
	Construction materials, supplies and intermediate products	17,041	16,322	16,511	16,822	+4.4	-1.1	-1.8	17,280	16,885	15,815	14,067	64,047	55,228
	Other materials, supplies, and intermediate products	79,184	78,380	78,798	80,233	+1.0	-0.5	-1.8	80,935	83,406	81,318	78,170	323,829	339,719
	Supplementary series:[2]													
	Capital goods industries	31,350	33,446	34,201	34,694	-6.3	-2.2	-1.4	31,071	37,793	34,919	32,635	136,418	138,720
	Nondefense	25,271	27,206	29,493	23,633	-7.1	-7.8	+24.8	24,787	29,925	29,118	22,016	105,846	106,123
	Defense	6,079	6,240	4,708	11,061	-2.6	+32.5	-57.4	6,284	7,868	5,801	10,619	30,572	32,597
	Household durable goods industries	6,312	6,351	6,220	7,093	-0.6	+2.1	-12.3	6,449	7,090	6,475	6,108	26,122	24,905

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1985p	Mar. 1985r	Feb. 1985r	Jan. 1985	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.r	Apr. 1985p	Mar. 1985r	Feb. 1985r	Jan. 1985	Apr. 1984
	All manufacturing industries..	354,467	357,285	359,926	359,125	-0.8	-0.7	+0.2	361,511	363,917	363,459	360,261	357,868
	Durable goods industries.....	344,678	347,230	349,671	348,924	-0.7	-0.7	+0.2	351,490	353,790	353,223	350,061	346,749
32	Stone, clay, and glass products...	2,574	2,562	2,587	2,513	+0.5	-1.0	+2.9	2,629	2,603	2,610	2,448	2,446
33	Primary metals.....	19,562	18,993	19,009	19,403	+3.0	-0.1	-2.0	20,469	20,350	19,997	19,719	23,863
331	Blast furnaces, steel mills.....	9,322	8,970	9,058	8,963	+3.9	-1.0	+1.1	9,853	9,822	9,647	9,160	11,683
333-9	Nonferrous and other primary metals.....	7,112	6,963	6,989	7,367	+2.1	-0.4	-5.1	7,432	7,374	7,296	7,412	9,113
34	Fabricated metal products.....	21,239	21,313	21,529	21,754	-0.3	-1.0	-1.0	21,370	21,597	21,384	21,345	20,980
35	Machinery, except electrical.....	62,381	63,659	63,245	59,794	-2.0	+0.7	+5.8	63,023	64,016	63,623	60,105	62,055
351	Engines and turbines.....	14,501	14,727	14,983	14,987	-1.5	-1.7	0.0	14,372	14,685	14,937	14,883	14,445
353	Construction, mining, and material handling equipment....	6,023	5,982	5,730	5,964	+0.7	+4.4	-3.9	6,071	6,084	5,805	5,994	6,100
354	Metalworking machinery.....	4,195	4,052	3,904	3,796	+3.5	+3.8	+2.8	4,123	3,987	3,872	3,758	2,657
356	General industrial machinery....	4,545	4,618	4,502	4,542	-1.6	+2.6	-0.9	4,600	4,660	4,552	4,547	4,773
357	Office and computing machines...	21,833	22,971	22,763	19,226	-5.0	+0.9	+18.4	22,248	22,925	22,763	19,457	22,356
36	Electrical machinery.....	81,218	81,630	81,304	82,023	-0.5	+0.4	-0.9	82,058	82,757	81,928	81,712	76,255
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,202	6,301	6,329	6,425	-1.6	-0.4	-1.5	6,300	6,369	6,366	6,345	6,569
363	Household appliances.....	359	352	383	382	+2.0	-8.1	+0.3	379	365	371	386	521
365	Radio and TV.....	524	578	463	609	-9.3	+24.8	-24.0	289	474	515	515	256
366	Communication equipment.....	55,043	54,605	53,505	53,676	+0.8	+2.1	-0.3	55,649	55,683	54,103	53,897	45,449
367	Electronic components.....	17,661	18,378	19,209	19,449	-3.9	-4.3	-1.2	18,015	18,451	19,152	19,099	22,003
37	Transportation equipment.....	143,055	144,531	147,120	148,618	-1.0	-1.8	-1.0	146,947	147,923	149,369	150,642	146,662
372,6	Aircraft, missiles, and parts...	117,178	118,097	120,298	121,388	-0.8	-1.8	-0.9	120,486	120,805	121,528	122,585	114,918
3731,95	Shipbuilding and military tank vehicles.....	18,978	19,369	19,687	20,457	-2.0	-1.6	-3.8	19,520	19,860	20,393	20,901	22,835
38	Instruments and related products..	8,552	8,398	8,501	8,519	+1.8	-1.2	-0.2	8,599	8,452	8,487	8,474	7,879
24,25, 39	All other durable goods.....	6,097	6,144	6,376	6,300	-0.8	-3.6	+1.2	6,395	6,092	5,825	5,616	6,608
	Nondurable goods industries.....	9,789	10,055	10,255	10,201	-2.6	-2.0	+0.5	10,021	10,127	10,236	10,200	11,120
	Market categories:												
	Home goods and apparel.....	4,748	4,953	5,133	5,154	-4.1	-3.5	-0.4	4,900	4,829	4,643	4,423	5,626
	Consumer staples.....	662	666	735	653	-0.6	-9.4	+12.6	644	673	775	723	651
	Equipment and defense products, except automotive.....	221,714	222,686	222,824	222,007	-0.4	-0.1	+0.4	225,795	226,903	225,789	224,135	212,067
	Automotive equipment.....	6,247	6,422	6,446	6,129	-2.7	-0.4	+5.2	6,272	6,589	6,775	6,515	8,105
	Construction materials, supplies and intermediate products.....	12,619	12,600	12,946	12,774	+0.2	-2.7	+1.3	12,790	12,798	12,771	12,356	12,523
	Other materials, supplies, and intermediate products.....	108,477	109,958	111,842	112,408	-1.3	-1.7	-0.5	111,110	112,125	112,706	112,109	118,898
	Supplementary series:[2]												
	Capital goods industries.....	264,608	266,911	267,953	266,777	-0.9	-0.4	+0.4	269,746	271,602	270,817	268,762	255,370
	Nondefense.....	132,972	134,921	135,486	132,322	-1.4	-0.4	+2.4	133,943	135,666	135,662	132,759	131,719
	Defense.....	131,636	131,990	132,467	134,455	-0.3	-0.4	-1.5	135,803	135,936	135,155	136,003	123,652
	Household durable goods industries.....	4,305	4,481	4,633	4,730	-3.9	-3.3	-2.1	4,437	4,391	4,198	4,021	5,033

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1985p	Mar. 1985r	Feb. 1985	Jan. 1985	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1985p	Mar. 1985r	Feb. 1985	Jan. 1985	Apr. 1984
	All manufacturing industries..	286,465	286,171	286,146	285,785	+0.1	0.0	+0.1	288,523	286,913	287,323	284,529	272,659
	Manufacturing industries with unfilled orders.....	200,488	200,414	200,067	199,671	0.0	+0.2	+0.2	202,062	200,766	200,193	197,689	186,867
	Durable goods industries.....	192,540	192,355	192,030	192,153	+0.1	+0.2	-0.1	194,054	193,157	192,814	190,648	179,864
	With unfilled orders.....	176,493	176,234	175,884	175,871	+0.1	+0.2	0.0	177,726	176,574	176,092	174,239	164,068
32	Stone, clay, and glass products...	5,937	5,958	5,880	5,911	-0.4	+1.3	-0.5	6,103	6,099	6,031	5,850	5,904
322	Glass containers.....	627	647	608	617	-3.1	+6.4	-1.5	643	651	614	599	645
33	Primary metals.....	19,290	19,558	19,310	19,577	-1.4	+1.3	-1.4	19,378	19,489	19,369	19,657	20,409
331	Blast furnaces, steel mills.....	8,722	8,878	8,816	8,950	-1.8	+0.7	-1.5	8,557	8,621	8,710	9,066	9,293
333-9	Nonferrous and other primary metals.....	9,246	9,344	9,160	9,304	-1.0	+2.0	-1.5	9,449	9,493	9,307	9,286	9,791
34	Fabricated metal products.....	19,176	19,210	19,024	19,139	-0.2	+1.0	-0.6	19,524	19,484	19,196	18,985	18,510
341	Metal cans, barrels, and drums..	2,390	2,475	2,405	2,437	-3.4	+2.9	-1.3	2,675	2,693	2,556	2,454	2,396
35	Machinery, except electrical.....	41,571	41,502	41,669	41,463	+0.2	-0.4	+0.5	41,833	41,444	41,714	41,134	38,199
351	Engines and turbines.....	2,115	2,150	2,211	2,236	-1.6	-2.8	-1.1	2,136	2,137	2,239	2,244	2,228
352	Farm machinery and equipment....	1,829	1,886	1,871	1,907	-3.0	+0.8	-1.9	1,877	1,928	1,942	1,911	1,974
353	Construction, mining, and material handling equipment....	6,695	6,784	6,788	6,818	-1.3	-0.1	-0.4	6,789	6,825	6,788	6,763	7,142
354	Metalworking machinery.....	2,725	2,659	2,582	2,567	+2.5	+3.0	+0.6	2,717	2,629	2,569	2,544	2,314
356	General industrial machinery....	3,497	3,559	3,606	3,495	-1.7	-1.3	+3.2	3,536	3,566	3,628	3,512	3,530
357	Office and computing machines...	13,142	12,918	12,985	12,869	+1.7	-0.5	+0.9	13,076	12,711	12,842	12,612	10,577
36	Electrical machinery.....	33,652	33,614	33,537	33,396	+0.1	+0.2	+0.4	34,030	33,678	33,375	32,861	29,789
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,498	4,522	4,691	4,682	-0.5	-3.6	+0.2	4,523	4,480	4,656	4,593	4,305
363	Household appliances.....	2,535	2,595	2,581	2,661	-2.3	+0.5	-3.0	2,707	2,686	2,607	2,623	2,446
365	Radio and TV.....	1,350	1,377	1,348	1,387	-2.0	+2.2	-2.8	1,342	1,322	1,295	1,316	1,098
366	Communication equipment.....	13,999	13,766	13,712	13,438	+1.7	+0.4	+2.0	14,091	13,871	13,684	13,309	11,689
367	Electronic components.....	6,515	6,561	6,491	6,591	-0.7	+1.1	-1.5	6,541	6,555	6,471	6,485	5,924
37	Transportation equipment.....	48,058	47,708	47,733	47,801	+0.7	-0.1	-0.1	48,156	48,082	48,184	47,486	42,918
371	Motor vehicles and parts.....	11,251	11,115	11,142	10,993	+1.2	-0.2	+1.4	11,220	11,221	11,364	11,149	9,917
372,6	Aircraft, missiles, and parts...	33,749	33,521	33,461	33,662	+0.7	+0.2	-0.6	33,913	33,754	33,579	33,124	30,137
3731,95	Shipbuilding and military tank vehicles.....	1,368	1,342	1,335	1,306	+1.9	+0.5	+2.2	1,367	1,345	1,347	1,297	1,262
38	Instruments and related products..	9,712	9,714	9,670	9,537	0.0	+0.5	+1.4	9,840	9,689	9,593	9,408	9,316
381-4	Scientific and engineering instruments.....	6,944	6,970	6,945	6,841	-0.4	+0.4	+1.5	7,048	6,970	6,903	6,766	6,659
386	Photographic goods.....	2,137	2,113	2,084	2,086	+1.1	+1.4	-0.1	2,149	2,090	2,061	2,030	2,097
24,25, 39	All other durable goods.....	15,144	15,091	15,207	15,329	+0.4	-0.8	-0.8	15,190	15,192	15,352	15,267	14,819
	Nondurable goods industries.....	93,925	93,816	94,116	93,632	+0.1	-0.3	+0.5	94,469	93,756	94,509	93,881	92,795
	With unfilled orders.....	23,995	24,180	24,183	23,800	-0.8	0.0	+1.6	24,336	24,192	24,101	23,450	22,799
20	Food and kindred products.....	21,517	21,380	21,515	21,323	+0.6	-0.6	+0.9	20,969	21,056	21,708	21,910	21,018
201	Meat products.....	2,149	2,236	2,294	2,240	-3.9	-2.5	+2.4	2,282	2,294	2,365	2,269	2,262
208	Beverages.....	3,490	3,535	3,440	3,429	-1.3	+2.8	+0.3	3,592	3,641	3,547	3,490	3,566
207	Fats and oils.....	1,210	1,107	1,045	1,141	+9.3	+5.9	-8.4	1,191	1,137	1,148	1,296	1,652
203-6,9	All other foods.....	12,852	12,683	12,929	12,742	+1.3	-1.9	+1.5	12,055	12,176	12,864	13,087	11,710
21	Tobacco products.....	3,470	3,530	3,629	3,599	-1.7	-2.7	+0.8	3,526	3,615	3,789	3,833	3,746
22	Textile mill products.....	6,866	6,932	6,991	6,946	-1.0	-0.8	+0.6	6,996	7,043	7,096	6,950	7,259
26	Paper and allied products.....	9,876	9,942	9,883	9,880	-0.7	+0.6	0.0	10,081	9,988	9,862	9,754	9,233
261-3,6	Pulp, paper etc.....	3,762	3,814	3,773	3,791	-1.4	+1.1	-0.5	3,805	3,824	3,766	3,747	3,364
265	Paperboard containers.....	2,618	2,680	2,686	2,685	-2.3	-0.2	0.0	2,668	2,680	2,649	2,642	2,501
264	All other paper products.....	3,496	3,448	3,424	3,404	+1.4	+0.7	+0.6	3,608	3,484	3,447	3,365	3,368
28	Chemicals and allied products.....	21,484	21,420	21,366	21,360	+0.3	+0.3	0.0	21,799	21,633	21,628	21,412	20,797
281,6	Industrial chemicals, except pigments.....	6,564	6,581	6,605	6,522	-0.3	-0.4	+1.3	6,636	6,601	6,619	6,555	6,438
283,4	Drugs, soaps, and toiletries....	6,803	6,756	6,723	6,783	+0.7	+0.5	-0.9	6,919	6,750	6,710	6,681	6,585
29	Petroleum and coal products.....	7,998	8,042	8,045	8,209	-0.5	0.0	-2.0	7,931	7,862	7,986	8,183	8,755
30	Rubber and plastics products.....	6,084	6,069	6,028	5,931	+0.2	+0.7	+1.6	6,352	6,224	6,051	5,867	6,055
23,27, 31	All other nondurable goods.....	16,630	16,501	16,659	16,384	+0.8	-0.9	+1.7	16,815	16,335	16,389	15,972	15,932
	Market categories:												
	Home goods and apparel.....	22,800	22,685	22,885	23,136	+0.5	-0.9	-1.1	23,139	22,618	22,756	22,747	22,329
	Consumer staples.....	34,322	34,209	34,417	34,102	+0.3	-0.6	+0.9	34,012	33,978	34,621	34,592	32,824
	Equipment and defense products, except automotive.....	85,284	84,844	85,263	84,796	+0.5	-0.5	+0.6	85,924	85,186	85,388	84,008	76,875
	Automotive equipment.....	13,723	13,606	13,680	13,499	+0.9	-0.5	+1.3	13,734	13,828	14,042	13,738	12,147
	Construction materials, supplies and intermediate products.....	19,629	19,563	19,495	19,583	+0.3	+0.3	-0.4	19,886	19,911	19,781	19,406	19,798
	Other materials, supplies, and intermediate products.....	110,707	111,264	110,406	110,669	-0.5	+0.8	-0.2	111,828	111,392	110,735	110,038	108,687
	Supplementary series:[2]												
	Capital goods industries.....	97,128	96,629	96,834	96,427	+0.5	-0.2	+0.4	97,757	96,811	96,834	95,219	87,257
	Nondefense.....	73,312	73,140	73,429	73,336	+0.2	-0.4	+0.1	73,778	73,005	73,413	72,606	68,112
	Defense.....	23,816	23,489	23,405	23,091	+1.4	+0.4	+1.4	23,979	23,806	23,421	22,613	19,145
	Household durable goods industries.....	11,640	11,694	11,680	11,837	-0.5	+0.1	-1.3	11,821	11,696	11,675	11,649	10,783

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		Apr. 1985p	Mar. 1985r	Feb. 1985	Jan. 1985	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1985p	Mar. 1985r	Feb. 1985	Jan. 1985	Apr. 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	92,158	91,845	92,682	92,764	+0.3	-0.9	-0.1	92,441	92,091	93,176	93,345	90,390
	Durable goods industries.....	55,755	55,445	55,768	56,033	+0.6	-0.6	-0.5	55,566	55,236	55,863	56,066	53,020
32	Stone, clay, and glass products...	1,860	1,834	1,858	1,864	+1.4	-1.3	-0.3	1,860	1,837	1,860	1,862	1,886
33	Primary metals.....	5,744	5,739	5,949	6,118	+0.1	-3.5	-2.8	5,557	5,622	5,948	6,242	6,237
34	Fabricated metal products.....	7,356	7,326	7,259	7,306	+0.4	+0.9	-0.6	7,428	7,407	7,284	7,325	7,232
35	Machinery, except electrical.....	11,899	11,872	11,847	11,947	+0.2	+0.2	-0.8	11,957	11,814	11,863	11,943	11,070
36	Electrical Machinery.....	8,679	8,872	8,866	8,748	-2.2	+0.1	+1.3	8,770	8,797	8,822	8,723	8,110
37	Transportation equipment.....	11,628	11,323	11,565	11,642	+2.7	-2.1	-0.7	11,579	11,392	11,678	11,540	10,658
38	Instruments and related products..	2,781	2,759	2,807	2,728	+0.8	-1.7	+2.9	2,793	2,753	2,774	2,725	2,610
24,25, 39	All other durable goods.....	5,808	5,720	5,617	5,680	+1.5	+1.8	-1.1	5,622	5,614	5,634	5,706	5,217
	Nondurable goods industries.....	36,403	36,400	36,914	36,731	0.0	-1.4	+0.5	36,875	36,855	37,313	37,279	37,370
20	Food and kindred products.....	7,494	7,570	7,798	7,739	-1.0	-2.9	+0.8	7,617	7,775	8,067	8,104	8,374
21	Tobacco products.....	2,917	3,048	3,105	3,040	-4.3	-1.8	+2.1	2,999	3,126	3,268	3,305	3,260
22	Textile mill products.....	2,130	2,148	2,209	2,153	-0.8	-2.8	+2.6	2,166	2,201	2,228	2,162	2,290
26	Paper and allied products.....	4,870	4,874	4,915	4,924	-0.1	-0.8	-0.2	4,910	4,883	4,885	4,886	4,713
28	Chemicals and allied products.....	8,246	8,101	8,175	8,213	+1.8	-0.9	-0.5	8,320	8,185	8,212	8,272	7,987
29	Petroleum and coal products.....	1,951	1,968	2,027	2,059	-0.9	-2.9	-1.6	2,011	1,969	1,983	2,050	2,202
30	Rubber and plastics products.....	2,081	2,026	1,980	1,948	+2.7	+2.3	+1.6	2,117	2,018	1,956	1,947	2,259
23,27, 31	All other nondurable goods.....	6,714	6,665	6,705	6,655	+0.7	-0.6	+0.8	6,735	6,698	6,714	6,553	6,285
	WORK IN PROCESS												
	All manufacturing industries..	103,715	104,208	103,609	103,328	-0.5	+0.6	+0.3	104,523	104,601	103,874	102,393	97,230
	Durable goods industries.....	89,331	89,684	88,967	88,672	-0.4	+0.8	+0.3	89,978	90,133	89,317	87,944	82,179
32	Stone, clay, and glass products...	805	796	786	791	+1.1	+1.3	-0.6	840	835	828	783	794
33	Primary metals.....	7,851	8,085	7,609	7,467	-2.9	+6.3	+1.9	7,902	8,009	7,630	7,561	8,126
34	Fabricated metal products.....	6,780	6,876	6,818	6,934	-1.4	+0.9	-1.7	6,921	6,999	6,849	6,772	6,527
35	Machinery, except electrical.....	16,459	16,739	16,882	16,598	-1.7	-0.8	+1.7	16,572	16,725	16,906	16,510	15,874
36	Electrical Machinery.....	18,377	18,192	18,111	18,115	+1.0	+0.4	0.0	18,496	18,255	18,058	17,827	15,728
37	Transportation equipment.....	31,246	31,236	30,965	30,997	0.0	+0.9	-0.1	31,363	31,520	31,237	30,788	27,447
38	Instruments and related products..	4,173	4,156	4,098	4,078	+0.4	+1.4	+0.5	4,228	4,171	4,092	4,007	4,005
24,25, 39	All other durable goods.....	3,640	3,604	3,698	3,692	+1.0	-2.5	+0.2	3,656	3,619	3,717	3,696	3,678
	Nondurable goods industries.....	14,384	14,524	14,642	14,656	-1.0	-0.8	-0.1	14,545	14,468	14,557	14,449	15,051
20	Food and kindred products.....	1,697	1,687	1,677	1,666	+0.6	+0.6	+0.7	1,701	1,714	1,728	1,718	1,725
21	Tobacco products.....	252	187	202	271	+34.8	-7.4	-25.5	195	174	199	243	194
22	Textile mill products.....	1,956	1,972	1,961	1,956	-0.8	+0.6	+0.3	1,974	1,991	1,999	1,976	2,200
26	Paper and allied products.....	1,135	1,178	1,141	1,149	-3.7	+3.2	-0.7	1,133	1,165	1,127	1,123	1,105
28	Chemicals and allied products.....	3,557	3,509	3,499	3,533	+1.4	+0.3	-1.0	3,585	3,517	3,505	3,467	3,464
29	Petroleum and coal products.....	1,252	1,290	1,440	1,526	-2.9	-10.4	-5.6	1,312	1,284	1,378	1,468	1,744
30	Rubber and plastics products.....	1,131	1,183	1,214	1,202	-4.4	-2.6	+1.0	1,155	1,174	1,188	1,194	1,067
23,27, 31	All other nondurable goods.....	3,404	3,518	3,508	3,353	-3.2	+0.3	+4.6	3,490	3,449	3,433	3,260	3,552
	FINISHED GOODS												
	All manufacturing industries..	90,592	90,118	89,855	89,693	+0.5	+0.3	+0.2	91,559	90,221	90,273	88,791	85,039
	Durable goods industries.....	47,454	47,226	47,295	47,448	+0.5	-0.1	-0.3	48,510	47,788	47,634	46,638	44,665
32	Stone, clay, and glass products...	3,272	3,328	3,236	3,256	-1.7	+2.8	-0.6	3,403	3,427	3,343	3,205	3,224
33	Primary metals.....	5,695	5,734	5,752	5,992	-0.7	-0.3	-4.0	5,919	5,858	5,791	5,854	6,046
34	Fabricated metal products.....	5,040	5,008	4,947	4,899	+0.6	+1.2	+1.0	5,175	5,078	5,063	4,888	4,751
35	Machinery, except electrical.....	13,213	12,891	12,940	12,918	+2.5	-0.4	+0.2	13,304	12,905	12,945	12,681	11,255
36	Electrical Machinery.....	6,596	6,550	6,560	6,533	+0.7	-0.2	+0.4	6,764	6,626	6,495	6,311	5,951
37	Transportation equipment.....	5,184	5,149	5,203	5,162	+0.7	-1.0	+0.8	5,214	5,170	5,269	5,158	4,813
38	Instruments and related products..	2,758	2,799	2,765	2,731	-1.5	+1.2	+1.2	2,819	2,765	2,727	2,676	2,701
24,25, 39	All other durable goods.....	5,696	5,767	5,892	5,957	-1.2	-2.1	-1.1	5,912	5,959	6,001	5,865	5,924
	Nondurable goods industries.....	43,138	42,892	42,560	42,245	+0.6	+0.8	+0.7	43,049	42,433	42,639	42,153	40,374
20	Food and kindred products.....	12,326	12,123	12,040	11,918	+1.7	+0.7	+1.0	11,651	11,567	11,913	12,088	10,919
21	Tobacco products.....	301	295	322	288	+2.0	-8.4	+11.8	332	315	322	285	292
22	Textile mill products.....	2,780	2,812	2,821	2,837	-1.1	-0.3	-0.6	2,856	2,851	2,869	2,812	2,769
26	Paper and allied products.....	3,871	3,890	3,827	3,807	-0.5	+1.6	+0.5	4,038	3,940	3,850	3,745	3,415
28	Chemicals and allied products.....	9,681	9,810	9,692	9,614	-1.3	+1.2	+0.8	9,894	9,931	9,911	9,673	9,346
29	Petroleum and coal products.....	4,795	4,784	4,578	4,624	+0.2	+4.5	-1.0	4,608	4,609	4,625	4,665	4,809
30	Rubber and plastics products.....	2,872	2,860	2,834	2,781	+0.4	+0.9	+1.9	3,080	3,032	2,907	2,726	2,729
23,27, 31	All other nondurable goods.....	6,512	6,318	6,446	6,376	+3.1	-2.0	+1.1	6,590	6,188	6,242	6,159	6,095

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Apr. 1985p	Mar. 1985r	Feb. 1985	Jan. 1985	Apr. 1985p	Mar. 1985r	Feb. 1985r	Jan. 1985
	All manufacturing industries	1.48	1.47	1.49	1.49	3.39	3.40	3.47	3.47
	Durable goods industries	1.89	1.88	1.89	1.88	4.11	4.14	4.21	4.23
32	Stone, clay, and glass products	1.21	1.28	1.25	1.25	0.57	0.60	0.60	0.58
33	Primary metals	1.85	1.95	1.85	1.86	1.88	1.89	1.83	1.85
34	Fabricated metal products	1.42	1.43	1.44	1.42	1.69	1.70	1.75	1.73
35	Machinery, except electrical	2.29	2.26	2.44	2.47	3.62	3.66	3.86	3.72
36	Electrical machinery	2.31	2.16	2.20	2.26	5.57	5.25	5.34	5.55
37	Transportation equipment	1.89	1.90	1.81	1.78	10.19	10.42	10.36	10.47
38	Instruments and related products	2.05	2.07	2.02	2.10	1.80	1.79	1.78	1.88
	Nondurable goods industries	1.03	1.02	1.04	1.04	0.47	0.48	0.50	0.49
20	Food and kindred products	0.88	0.85	0.86	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	2.36	1.88	2.15	2.71	(X)	(X)	(X)	(X)
22	Textile mill products	1.58	1.61	1.65	1.63	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.24	1.24	1.21	1.22	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.19	1.22	1.21	1.19	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.48	0.49	0.52	0.55	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.46	1.48	1.44	1.40	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Apr. 1984	All Apr. 1980-1984	Apr. 1984-Mar. 1985	Year ago Apr. 1984	All Apr. 1980-1984	Apr. 1984-Mar. 1985	Year ago Apr. 1984	All Apr. 1980-1984	Apr. 1984-Mar. 1985	Year ago Apr. 1984	All Apr. 1980-1984	Apr. 1984-Mar. 1985
	All manufacturing industries	0.3	0.2	0.3	0.2	0.2	0.4	0.0	0.1	0.1	0.0	0.0	0.1
	Durable goods industries	0.8	0.3	0.5	0.4	0.3	0.6	0.0	0.1	0.2	0.2	0.1	0.1
32	Stone, clay, and glass products	0.5	0.5	0.8	1.5	0.9	1.4	2.1	1.4	1.5	0.6	0.4	0.5
33	Primary metals	0.1	0.4	0.4	2.8	1.3	1.5	0.1	0.2	0.6	0.2	0.2	0.2
34	Fabricated metal products	0.4	0.9	1.1	0.7	1.5	1.1	0.2	0.3	0.2	0.4	0.4	0.3
35	Machinery, except electrical	0.3	0.5	0.7	0.2	1.7	0.7	0.2	0.4	0.2	0.0	0.2	0.1
36	Electrical machinery	0.3	0.2	1.2	0.7	0.4	1.1	0.2	0.1	0.3	0.3	0.3	0.2
37	Transportation equipment	3.1	1.1	0.8	2.6	2.4	1.0	0.0	0.2	0.1	0.0	0.1	0.2
38	Instruments and related products	0.7	0.7	0.8	0.1	0.8	1.6	0.3	0.6	0.6	0.5	0.4	0.2
	Nondurable goods industries	0.1	0.2	0.2	0.1	0.3	0.2	0.1	0.6	0.2	0.3	0.2	0.2
20	Food and kindred products	0.8	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.6	0.5
21	Tobacco products	0.0	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1	0.3
22	Textile mill products	2.0	0.7	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.5	0.4
26	Paper and allied products	2.6	1.2	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.5	0.2
28	Chemicals and allied product	1.0	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.6	0.3
29	Petroleum and coal products	0.2	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	1.0	0.4
30	Rubber and plastics products	0.8	0.5	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
	Capital Goods Industries:												
	Nondefense	0.1	0.4	1.1	0.2	1.2	1.1	0.0	0.2	0.1	0.2	0.1	0.1
	Defense	0.7	0.6	1.1	1.1	1.6	3.6	0.1	0.1	0.2	0.1	0.2	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1(85)-5

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

May 1985

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(85)-5
For Wire Transmission 10:00 a.m. E.D.T. Tuesday, July 2, 1985

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in May increased $4.0 billion or 2.1 percent to $195.1 billion. Most of the increase was in defense capital goods. Excluding defense, orders increased 0.8 percent.

Shipments of manufactured goods increased $1.0 billion or 0.5 percent to $194.8 billion. The durable goods sector was up 0.5 percent and nondurables 0.6 percent. Manufacturers' shipments reached a high in December 1984 of $196.2 billion, dropped to $191.7 billion in January, then had small increases in 3 of the last 4 months.

Unfilled orders showed little change at $354.7 billion, following declines in April of 0.8 percent and March of 0.8 percent. Excluding the defense backlog, unfilled orders were down 0.9 percent, and have been generally declining since July 1984 at the rate of 0.6 percent per month.

Total inventories declined $1.0 billion or 0.4 percent to $285.0 billion. Inventories have been virtually unchanged since October at $285.6 billion. Durable goods inventories increased during that 7-month period from $190.1 billion to $191.5 billion or 0.7 percent, while nondurables declined from $95.5 billion to $93.5 billion or 2.1 percent. The inventory to shipments ratio in May was 1.46, down from 1.48 in April.

NEW ORDERS. New orders for durable goods were up $3.2 billion or 3.2 percent to $102.9 billion. Eighty percent of the increase was caused by defense orders for aircraft, aircraft parts and shipbuilding. Total transportation equipment was up $2.4 billion or 9.9 percent to $26.4 billion; excluding defense, transportation was down 1.0 percent. Electrical machinery was up 5.2 percent, with all categories showing increases; nonelectrical machinery was up 2.0 percent as a large increase in office and computing equipment was partially offset by declines in most of the other categories. In April, electrical machinery declined 9.6 percent, while nonelectrical declined 10.0 percent.

New orders for nondefense capital goods were up 0.8 percent; excluding the computer industry increase, there was a 3.0 percent decline.

SHIPMENTS. The durable goods shipments increase of 0.5 percent resulted from increases in fabricated metals, electrical machinery, lumber, and miscellaneous durables, more than offsetting declines in transportation equipment, and stone, clay and glass products. The remaining industries showed little change.

The nondurables increase of 0.6 percent was concentrated in food products, tobacco, paper, and printing and publishing; the largest declines were in chemicals and petroleum products.

UNFILLED ORDERS. Manufacturers' unfilled orders were little changed from April, as a result of scattered decreases offsetting the $1.3 billion or 0.9 percent increase in transportation equipment. Without the defense increase, transportation was down, as the nondefense components of aircraft, aircraft parts, and shipbuilding declined. Other major industries showing declines were nonelectrical machinery, down 1.4 percent, fabricated metals 1.6 percent, and primary metals 0.7 percent; electrical machinery and instruments and related products were up.

INVENTORIES. Inventory declines in May were widespread. Durable goods were down 0.5 percent with only electrical machinery increasing. Nondurables were flat at $93.5 billion, with small increases in chemicals, petroleum, and rubber and plastics offset by declines in the other industries.

The $1.0 billion decline in inventories was mostly in materials and supplies of durable goods which were down 1.8 percent; nondurable materials were down 0.5 percent. Work in process and finished goods inventories were unchanged for durables, but for nondurables work in process was down 0.6 percent and finished goods up 0.5 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for June is scheduled for release on July 23, 1985 at 8:30 A.M. and the full report on July 31, 1985 at 10:00 A.M.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
AUG 8 1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through commercial vendors. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May 1985P	Apr. 1985r	Mar. 1985r	Feb. 1985	Apr.-May P	Mar.-Apr. r	Feb.-Mar. r	May 1985P	Apr. 1985r	Mar. 1985r	Feb. 1985	1985P	1984
	All manufacturing industries	194,800	193,755	194,303	192,261	+0.5	-0.3	+1.1	197,573	194,846	203,913	192,579	964,682	932,976
	Manufacturing industries with unfilled orders	104,877	104,548	104,942	103,703	+0.3	-0.4	+1.2	106,003	104,835	110,952	103,983	519,444	487,533
	Durable goods industries	102,770	102,266	102,116	101,724	+0.5	+0.1	+0.4	105,490	104,107	109,305	101,849	512,342	482,572
	With unfilled orders	83,879	83,953	83,907	83,053	-0.1	+0.1	+1.0	85,103	84,322	89,396	83,179	416,079	387,756
32	Stone, clay, and glass products	4,818	4,933	4,670	4,718	-2.3	+5.6	-1.0	4,980	4,994	4,725	4,391	23,105	21,894
322	Glass containers	399	411	371	418	-2.9	+10.8	-11.2	418	418	399	389	1,981	1,935
33	Primary metals	10,635	10,586	10,034	10,411	+0.5	+5.5	-3.6	11,074	11,106	10,912	10,771	54,048	57,135
331	Blast furnaces, steel mills	4,476	4,413	4,181	4,282	+1.4	+5.5	-2.4	4,601	4,647	4,579	4,483	22,591	23,629
333-9	Nonferrous and other primary metals	4,974	4,946	4,682	4,906	+0.6	+5.6	-4.6	5,163	5,154	5,066	5,048	25,177	27,111
34	Fabricated metal products	13,788	13,548	13,470	13,204	+1.8	+0.6	+2.0	14,203	13,751	14,106	13,055	67,051	55,171
341	Metal cans, barrels, and drums	1,003	947	953	904	+5.9	-0.6	+5.4	1,039	929	947	879	4,567	4,331
35	Machinery, except electrical	18,118	18,159	18,367	17,049	-0.2	-1.1	+7.7	18,195	17,801	19,982	17,107	87,819	84,029
351	Engines and turbines	1,246	1,239	1,315	1,177	+0.6	-5.8	+11.7	1,270	1,275	1,509	1,231	6,372	6,345
352	Farm machinery and equipment	947	950	978	676	-0.3	-2.9	+44.7	1,070	1,063	1,147	699	4,605	4,929
353	Construction, mining, and material handling equipment	2,837	2,996	2,813	2,690	-5.3	+6.5	+4.6	2,914	2,942	2,813	2,757	13,791	13,021
354	Metalworking machinery	851	791	912	812	+7.6	-13.3	+12.3	829	778	1,001	839	4,147	3,995
356	General industrial machinery	1,314	1,522	1,399	1,333	-13.7	+8.8	+5.0	1,332	1,463	1,455	1,366	6,950	6,828
357	Office and computing machines	4,853	4,778	4,985	4,421	+1.6	-4.2	+12.8	4,474	4,185	5,538	4,103	21,490	19,627
36	Electrical machinery	14,919	14,727	15,544	15,220	+1.3	-5.3	+2.1	14,909	14,747	16,352	15,288	74,853	73,009
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,026	1,984	2,126	1,936	+2.1	-6.7	+9.8	2,019	1,992	2,307	1,983	10,024	10,104
363	Household appliances	1,425	1,340	1,336	1,369	+6.3	+0.3	-2.4	1,441	1,351	1,400	1,371	6,926	6,947
365	Radio and TV	893	941	948	952	-5.1	-0.7	-0.4	818	833	959	914	4,364	4,033
366	Communication equipment	4,912	4,781	5,222	5,134	+2.7	-8.4	+1.7	4,963	4,886	5,605	5,076	24,764	21,689
367	Electronic components	3,168	3,200	3,475	3,401	-1.0	-7.9	+2.2	3,241	3,325	3,583	3,482	16,806	18,099
37	Transportation equipment	25,090	25,335	25,120	26,331	-1.0	+0.9	-4.6	26,660	26,647	27,639	26,707	131,994	120,688
371	Motor vehicles and parts	16,665	16,475	16,187	17,497	+1.2	+1.8	-7.5	18,216	17,749	17,962	17,904	88,999	83,002
372,6	Aircraft, missiles, and parts	6,748	7,178	7,226	7,186	-6.0	-0.7	+0.6	6,701	7,105	7,750	7,088	34,378	29,263
3731,95	Shipbuilding and military tank vehicles	845	842	873	911	+0.4	-3.6	-4.2	852	806	910	903	4,165	4,155
38	Instruments and related products	4,772	4,699	4,692	4,784	+1.6	+0.1	-1.9	4,694	4,529	4,946	4,645	22,913	21,319
381-4	Scientific and engineering instruments	3,126	3,066	3,087	3,161	+2.0	-0.7	-2.3	3,054	2,965	3,319	3,120	15,141	13,184
386	Photographic goods	1,439	1,441	1,416	1,433	-0.1	+1.8	-1.2	1,425	1,366	1,417	1,337	6,819	7,157
24,25, 39	All other durable goods	10,630	10,279	10,219	10,007	+3.4	+0.6	+2.1	10,775	10,532	10,643	9,885	50,559	49,324
	Nondurable goods industries	92,030	91,489	92,187	90,537	+0.6	-0.8	+1.8	92,083	90,739	94,608	90,730	452,340	450,404
	With unfilled orders	20,998	20,595	21,035	20,650	+2.0	-2.1	+1.9	20,900	20,513	21,556	20,804	103,365	99,777
20	Food and kindred products	25,161	24,603	25,045	24,893	+2.3	-1.8	+0.6	25,094	23,980	25,939	24,969	122,799	120,819
201	Meat products	5,646	5,549	5,703	5,803	+1.7	-2.7	-1.7	5,725	5,349	5,623	5,687	28,004	28,717
208	Beverages	3,832	3,803	3,704	3,606	+0.8	+2.7	+2.7	4,104	3,978	3,678	3,368	18,291	17,217
207	Fats and oils	1,305	1,181	1,089	1,177	+10.5	+8.4	-7.5	1,291	1,132	1,115	1,173	5,836	6,966
203-6,9	All other foods	11,066	10,803	11,284	11,134	+2.4	-4.3	+1.3	10,602	10,263	12,232	11,568	54,505	52,088
21	Tobacco products	1,836	1,468	1,874	1,684	+25.1	-21.7	+11.3	1,772	1,442	1,800	1,522	7,744	6,482
22	Textile mill products	4,254	4,299	4,306	4,231	-1.0	-0.2	+1.8	4,328	4,266	4,720	4,224	21,244	23,600
26	Paper and allied products	8,202	8,029	8,047	8,140	+2.2	-0.2	-1.1	8,236	8,099	8,394	8,389	40,929	39,625
261-3,6	Pulp, paper etc	3,434	3,534	3,504	3,530	-2.8	+0.9	-0.7	3,513	3,605	3,683	3,639	17,749	17,332
265	Paperboard containers	1,847	1,883	1,823	1,831	-1.9	+3.3	-0.4	1,847	1,889	1,904	1,860	9,320	8,899
264	All other paper products	2,921	2,612	2,720	2,779	+11.8	-4.0	-2.1	2,876	2,605	2,807	2,890	13,860	13,394
28	Chemicals and allied products	17,636	17,989	17,583	17,630	-2.0	+2.3	-0.3	18,434	18,738	19,157	17,860	91,313	89,446
281,6	Industrial chemicals, except pigments	6,012	5,856	5,953	5,849	+2.7	-1.6	+1.8	6,108	6,090	6,453	6,077	30,180	28,738
283,4	Drugs, soaps, and toiletries	4,450	4,412	4,547	4,627	+0.9	-3.0	-1.7	4,209	4,082	4,829	4,563	22,195	21,285
29	Petroleum and coal products	16,440	16,816	16,520	15,554	-2.2	+1.8	+6.2	16,365	16,397	15,923	15,285	78,669	82,509
30	Rubber and plastics products	4,045	4,063	4,102	4,185	-0.4	-1.0	-2.0	4,040	4,125	4,107	4,155	20,321	21,685
23,27, 31	All other nondurable goods	14,456	14,222	14,710	14,220	+1.6	-3.3	+3.4	13,814	13,692	14,568	14,326	69,321	66,236
	Market categories:													
	Home goods and apparel	13,395	13,114	13,222	12,982	+2.1	-0.8	+1.8	12,754	12,564	13,750	13,182	63,230	63,298
	Consumer staples	34,978	33,979	35,116	34,677	+2.9	-3.2	+1.3	34,590	33,181	36,060	34,396	169,932	162,595
	Equipment and defense products, except automotive	29,878	30,299	30,887	29,552	-1.4	-1.9	+4.5	29,729	29,641	33,149	29,181	145,985	132,405
	Automotive equipment	18,586	18,413	18,148	19,345	+0.9	+1.5	-6.2	20,270	19,951	20,111	19,700	98,970	93,443
	Construction materials, supplies and intermediate products	17,142	17,014	16,669	16,338	+0.8	+2.1	+2.0	17,754	17,279	16,858	15,400	81,197	69,430
	Other materials, supplies, and intermediate products	80,821	80,936	80,261	79,367	-0.1	+0.8	+1.1	82,476	82,230	83,985	80,720	405,368	411,803
	Supplementary series:[2]													
	Capital goods industries	33,443	33,645	34,485	33,029	-0.6	-2.4	+4.4	33,210	32,915	37,009	32,861	163,727	151,754
	Nondefense	26,947	27,263	27,767	26,334	-1.2	-1.8	+5.4	26,694	26,547	29,921	26,212	131,463	123,213
	Defense	6,496	6,382	6,718	6,695	+1.8	-5.0	+0.3	6,516	6,368	7,088	6,649	32,264	28,538
	Household durable goods industries	6,748	6,443	6,451	6,316	+4.7	-0.1	+2.1	6,576	6,348	6,842	6,297	31,584	29,544

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May 1985p	Apr. 1985r	Mar. 1985r	Feb. 1985	Apr.-May p	Mar.-Apr. r	Feb.-Mar. r	May 1985p	Apr. 1985r	Mar. 1985r	Feb. 1985	1985p	1984
	All manufacturing industries	195,054	191,015	191,532	193,057	+2.1	-0.3	-0.8	195,263	192,483	204,229	195,781	970,843	964,123
	Manufacturing industries with unfilled orders	105,131	101,808	102,171	104,500	+3.3	-0.4	-2.2	103,693	102,472	111,267	107,185	525,604	518,683
	Durable goods industries	102,944	99,725	99,544	102,467	+3.2	+0.2	-2.9	103,129	101,782	109,729	105,013	518,275	513,226
	With unfilled orders	84,053	81,412	81,335	83,796	+3.2	+0.1	-2.9	82,742	81,997	89,820	86,343	422,012	418,407
32	Stone, clay, and glass products	4,762	4,917	4,644	4,793	-3.2	+5.9	-3.1	4,969	4,992	4,718	4,553	23,298	22,439
33	Primary metals	10,506	11,169	10,019	10,015	-5.9	+11.5	0.0	10,508	11,239	11,266	11,048	55,461	59,456
331	Blast furnaces, steel mills	4,203	4,734	4,093	4,377	-11.2	+15.7	-6.5	4,097	4,646	4,754	4,969	23,506	24,641
333-9	Nonferrous and other primary metals	4,999	5,101	4,657	4,527	-2.0	+9.5	+2.9	5,046	5,218	5,144	4,933	25,382	27,916
34	Fabricated metal products	13,460	13,457	13,253	12,979	0.0	+1.5	+2.1	13,960	13,506	14,319	13,094	66,978	56,192
35	Machinery, except electrical	17,246	16,905	18,782	20,497	+2.0	-10.0	-8.4	17,442	16,842	20,378	20,625	89,150	88,888
351	Engines and turbines	935	1,013	1,060	1,172	-7.7	-4.4	-9.6	1,058	964	1,257	1,284	5,371	5,878
353	Construction, mining, and material handling equipment	2,753	3,014	3,064	2,456	-8.7	-1.6	+24.8	2,829	2,907	3,092	2,568	13,862	13,604
354	Metalworking machinery	899	921	1,060	919	-2.4	-13.1	+15.3	890	902	1,116	953	4,676	4,397
356	General industrial machinery	1,313	1,448	1,515	1,293	-9.3	-4.4	+17.2	1,323	1,402	1,563	1,371	6,879	6,929
357	Office and computing machines	4,526	3,632	5,193	7,958	+24.6	-30.1	-34.7	4,378	3,500	5,701	7,409	23,365	22,503
36	Electrical machinery	15,094	14,352	15,871	14,502	+5.2	-9.6	+9.4	15,255	14,082	17,180	15,507	79,378	82,262
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,011	1,884	2,098	1,840	+6.7	-10.2	+14.0	1,960	1,922	2,310	2,004	10,083	10,323
363	Household appliances	1,425	1,355	1,306	1,370	+5.2	+3.8	-4.7	1,458	1,374	1,394	1,356	6,968	7,141
365	Radio and TV	1,027	895	1,063	806	+14.7	-15.8	+31.9	1,161	653	918	915	4,566	4,162
366	Communication equipment	5,509	5,216	6,322	4,963	+5.6	-17.5	+27.4	5,394	4,849	7,185	5,283	30,273	25,944
367	Electronic components	2,605	2,493	2,644	3,161	+4.5	-5.7	-16.4	2,838	2,898	2,882	3,535	15,531	22,504
37	Transportation equipment	26,352	23,984	22,532	24,831	+9.9	+6.4	-9.3	25,251	25,797	26,191	25,435	129,096	131,013
372,6	Aircraft, missiles, and parts	7,967	6,433	5,026	6,095	+23.8	+28.0	-17.5	5,734	6,965	7,026	6,031	33,536	39,292
3731,95	Shipbuilding and military tank vehicles	1,034	393	555	141	+163.1	-29.2	+293.6	784	405	377	396	2,700	4,234
38	Instruments and related products	4,889	4,782	4,590	4,766	+2.2	+4.2	-3.7	4,752	4,605	4,911	4,657	23,186	21,737
24,25, 39	All other durable goods	10,635	10,159	9,852	10,084	+4.7	+3.1	-2.3	10,992	10,719	10,766	10,094	51,728	51,239
	Nondurable goods industries	92,110	91,290	91,988	90,590	+0.9	-0.8	+1.5	92,134	90,701	94,500	90,768	452,568	450,897
	With unfilled orders	21,078	20,396	20,836	20,704	+3.3	-2.1	+0.6	20,951	20,475	21,447	20,842	103,592	100,276
	Market categories:													
	Home goods and apparel	13,332	12,843	12,910	12,962	+3.8	-0.5	-0.4	13,072	12,528	13,793	13,404	64,369	65,445
	Consumer staples	34,999	33,988	35,047	34,758	+3.0	-3.0	+0.8	34,580	33,165	35,958	34,448	169,946	162,525
	Equipment and defense products, except automotive	30,735	29,183	30,750	30,366	+5.3	-5.1	+1.3	28,917	28,390	34,263	30,836	150,924	149,455
	Automotive equipment	18,430	18,247	18,123	19,662	+1.0	+0.7	-7.8	19,894	19,643	19,924	19,960	98,386	93,467
	Construction materials, supplies and intermediate products	16,971	17,036	16,322	16,511	-0.4	+4.4	-1.1	17,652	17,272	16,885	15,815	81,691	70,160
	Other materials, supplies, and intermediate products	80,587	79,718	78,380	78,798	+1.1	+1.7	-0.5	81,148	81,485	83,406	81,318	405,527	423,070
	Supplementary series:[2]													
	Capital goods industries	34,343	31,489	33,446	34,201	+9.1	-5.9	-2.2	31,639	31,217	37,793	34,919	168,203	171,456
	Nondefense	25,617	25,409	27,206	29,493	+0.8	-6.6	-7.8	25,137	24,930	29,925	29,118	131,126	134,320
	Defense	8,726	6,080	6,240	4,708	+43.5	-2.6	+32.5	6,502	6,287	7,868	5,801	37,077	37,136
	Household durable goods industries	6,654	6,195	6,167	6,220	+7.4	+0.5	-0.9	6,838	6,281	6,892	6,475	32,594	31,579

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1985p	Apr. 1985r	Mar. 1985r	Feb. 1985	Apr.-May p	Mar.-Apr. r	Feb.-Mar. r	May 1985p	Apr. 1985r	Mar. 1985r	Feb. 1985	May 1984
	All manufacturing industries..	354,660	354,416	357,151	359,926	+0.1	-0.8	-0.8	359,092	361,409	363,772	363,459	359,391
	Durable goods industries.....	344,727	344,559	347,096	349,671	0.0	-0.7	-0.7	348,953	351,319	353,645	353,223	348,369
32	Stone, clay, and glass products...	2,490	2,547	2,562	2,587	-2.2	-0.6	-1.0	2,591	2,601	2,603	2,610	2,489
33	Primary metals.....	19,445	19,576	18,993	19,009	-0.7	+3.1	-0.1	19,916	20,483	20,350	19,997	22,630
331	Blast furnaces, steel mills.....	9,018	9,291	8,970	9,058	-2.9	+3.6	-1.0	9,316	9,821	9,822	9,647	10,702
333-9	Nonferrous and other primary metals.....	7,142	7,118	6,963	6,989	+0.3	+2.2	-0.4	7,321	7,438	7,374	7,296	8,877
34	Fabricated metal products.....	20,892	21,222	21,313	21,529	-1.6	-0.4	-1.0	21,108	21,351	21,597	21,384	21,144
35	Machinery, except electrical.....	61,537	62,408	63,659	63,245	-1.4	-2.0	+0.7	62,299	63,055	64,016	63,623	62,994
351	Engines and turbines.....	14,191	14,502	14,727	14,983	-2.1	-1.5	-1.7	14,161	14,373	14,685	14,937	14,254
353	Construction, mining, and material handling equipment....	5,916	6,000	5,982	5,730	-1.4	+0.3	+4.4	5,963	6,048	6,084	5,805	6,251
354	Metalworking machinery.....	4,231	4,182	4,052	3,904	+1.2	+3.2	+3.8	4,172	4,111	3,987	3,872	2,776
356	General industrial machinery....	4,544	4,545	4,618	4,502	0.0	-1.6	+2.6	4,589	4,599	4,660	4,552	4,748
357	Office and computing machines...	21,498	21,825	22,971	22,763	-1.5	-5.0	+0.9	22,143	22,240	22,925	22,763	23,022
36	Electrical machinery.....	81,430	81,257	81,630	81,304	+0.2	-0.5	+0.4	82,439	82,092	82,757	81,928	78,419
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,184	6,201	6,301	6,329	-0.3	-1.6	-0.4	6,239	6,298	6,369	6,366	6,459
363	Household appliances.....	368	367	352	383	+0.3	+4.3	-8.1	405	388	365	371	655
365	Radio and TV.....	666	533	578	463	+25.0	-7.8	+24.8	637	294	474	515	525
366	Communication equipment.....	55,638	55,041	54,605	53,505	+1.1	+0.8	+2.1	56,079	55,647	55,683	54,103	46,447
367	Electronic components.....	17,108	17,671	18,378	19,209	-3.2	-3.8	-4.3	17,621	18,024	18,451	19,152	22,875
37	Transportation equipment.....	144,441	143,179	144,531	147,120	+0.9	-0.9	-1.8	145,664	147,073	147,923	149,369	145,657
372,6	Aircraft, missiles, and parts...	118,570	117,351	118,097	120,298	+1.0	-0.6	-1.8	119,697	120,663	120,805	121,528	114,357
3731,95	Shipbuilding and military tank vehicles.....	19,110	18,920	19,369	19,687	+1.0	-2.3	-1.6	19,391	19,460	19,860	20,393	22,735
38	Instruments and related products..	8,597	8,481	8,398	8,501	+1.4	+1.0	-1.2	8,586	8,529	8,452	8,487	8,072
24,25, 39	All other durable goods.....	5,895	5,889	6,010	6,376	+0.1	-2.0	-5.7	6,350	6,135	5,947	5,825	6,964
	Nondurable goods industries.....	9,933	9,857	10,055	10,255	+0.8	-2.0	-2.0	10,139	10,090	10,127	10,236	11,023
	Market categories:												
	Home goods and apparel.....	4,488	4,552	4,819	5,133	-1.4	-5.5	-6.1	4,965	4,649	4,684	4,643	6,153
	Consumer staples.....	695	675	666	735	+3.0	+1.4	-9.4	647	657	673	775	631
	Equipment and defense products, except automotive.....	222,427	221,572	222,686	222,824	+0.4	-0.5	-0.1	224,837	225,651	226,903	225,789	213,937
	Automotive equipment.....	6,100	6,256	6,422	6,446	-2.5	-2.6	-0.4	5,905	6,281	6,589	6,775	7,802
	Construction materials, supplies and intermediate products.....	12,450	12,621	12,600	12,946	-1.4	+0.2	-2.7	12,690	12,791	12,798	12,771	12,578
	Other materials, supplies, and intermediate products.....	108,500	108,740	109,958	111,842	-0.2	-1.1	-1.7	110,048	111,380	112,125	112,706	118,291
	Supplementary series:[2]												
	Capital goods industries.....	265,656	264,758	266,911	267,953	+0.3	-0.8	-0.4	268,329	269,901	271,602	270,817	256,609
	Nondefense.....	131,739	133,070	134,921	135,486	-1.0	-1.4	-0.4	132,486	134,046	135,666	135,662	134,205
	Defense.....	133,917	131,688	131,990	132,467	+1.7	-0.2	-0.4	135,843	135,855	135,936	135,155	122,405
	Household durable goods industries.....	4,008	4,103	4,347	4,633	-2.3	-5.6	-6.2	4,440	4,179	4,246	4,198	5,530

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1985P	Apr. 1985F	Mar. 1985	Feb. 1985	Apr.-MayP	Mar.-Apr.F	Feb.-Mar.	May 1985P	Apr. 1985F	Mar. 1985	Feb. 1985	May 1984
	All manufacturing industries..	285,028	286,049	286,171	286,146	-0.4	0.0	0.0	287,541	288,095	286,913	287,323	276,691
	Manufacturing industries with unfilled orders.....	199,720	200,549	200,414	200,067	-0.4	+0.1	+0.2	202,206	202,123	200,766	200,193	190,167
	Durable goods industries.....	191,513	192,475	192,355	192,030	-0.5	+0.1	+0.2	193,665	193,991	193,157	192,814	182,582
	With unfilled orders.....	176,020	176,620	176,234	175,884	-0.3	+0.2	+0.2	178,000	177,859	176,574	176,092	166,951
32	Stone, clay, and glass products...	5,879	5,920	5,958	5,880	-0.7	-0.6	+1.3	6,052	6,085	6,099	6,031	5,957
322	Glass containers.....	611	625	647	608	-2.2	-3.4	+6.4	629	640	651	614	643
33	Primary metals.....	19,134	19,297	19,558	19,310	-0.8	-1.3	+1.3	19,301	19,385	19,489	19,369	20,945
331	Blast furnaces, steel mills.....	8,653	8,717	8,878	8,816	-0.7	-1.8	+0.7	8,609	8,551	8,621	8,710	9,681
333-9	Nonferrous and other primary metals.....	9,211	9,260	9,344	9,160	-0.5	-0.9	+2.0	9,377	9,464	9,493	9,307	9,912
34	Fabricated metal products.....	18,786	19,093	19,210	19,024	-1.6	-0.6	+1.0	19,187	19,440	19,484	19,196	18,624
341	Metal cans, barrels, and drums..	2,285	2,384	2,475	2,405	-4.2	-3.7	+2.9	2,570	2,667	2,693	2,556	2,340
35	Machinery, except electrical.....	41,313	41,609	41,502	41,669	-0.7	+0.3	-0.4	41,848	41,870	41,444	41,714	38,693
351	Engines and turbines.....	2,171	2,115	2,150	2,211	+2.6	-1.6	-2.8	2,196	2,136	2,137	2,239	2,294
352	Farm machinery and equipment....	1,794	1,821	1,886	1,871	-1.5	-3.4	+0.8	1,824	1,869	1,928	1,942	1,918
353	Construction, mining, and material handling equipment....	6,665	6,698	6,784	6,788	-0.5	-1.3	-0.1	6,798	6,791	6,825	6,788	7,076
354	Metalworking machinery.....	2,730	2,719	2,659	2,582	+0.4	+2.3	+3.0	2,754	2,711	2,629	2,569	2,357
356	General industrial machinery....	3,507	3,501	3,559	3,606	+0.2	-1.6	-1.3	3,557	3,539	3,566	3,628	3,561
357	Office and computing machines...	12,941	13,173	12,918	12,985	-1.8	+2.0	-0.5	13,071	13,108	12,711	12,842	10,957
36	Electrical machinery.....	33,977	33,744	33,614	33,537	+0.7	+0.4	+0.2	34,548	34,124	33,678	33,375	30,399
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,588	4,497	4,522	4,691	+2.0	-0.6	-3.6	4,664	4,522	4,480	4,656	4,387
363	Household appliances.....	2,460	2,530	2,595	2,581	-2.8	-2.5	+0.5	2,667	2,702	2,686	2,607	2,501
365	Radio and TV.....	1,417	1,385	1,377	1,348	+2.3	+0.6	+2.2	1,448	1,377	1,322	1,295	1,167
366	Communication equipment.....	14,128	14,007	13,766	13,712	+0.9	+1.8	+0.4	14,239	14,100	13,871	13,684	11,907
367	Electronic components.....	6,568	6,504	6,561	6,491	+1.0	-0.9	+1.1	6,594	6,530	6,555	6,471	6,010
37	Transportation equipment.....	47,993	48,091	47,708	47,733	-0.2	+0.8	-0.1	48,023	48,194	48,082	48,184	43,729
371	Motor vehicles and parts.....	10,979	11,254	11,115	11,142	-2.4	+1.3	-0.2	10,855	11,223	11,221	11,364	10,022
372,6	Aircraft, missiles, and parts...	33,987	33,777	33,521	33,461	+0.6	+0.8	+0.2	34,202	33,945	33,754	33,579	30,786
3731,95	Shipbuilding and military tank vehicles.....	1,362	1,390	1,342	1,335	-2.0	+3.6	+0.5	1,361	1,389	1,345	1,347	1,288
38	Instruments and related products..	9,676	9,709	9,714	9,670	-0.3	-0.1	+0.5	9,839	9,837	9,689	9,593	9,476
381-4	Scientific and engineering instruments.....	6,943	6,943	6,970	6,945	0.0	-0.4	+0.4	7,033	7,047	6,970	6,903	6,716
386	Photographic goods.....	2,103	2,135	2,113	2,084	-1.5	+1.0	+1.4	2,160	2,147	2,090	2,061	2,181
24,25, 39	All other durable goods.....	14,755	15,012	15,091	15,207	-1.7	-0.5	-0.8	14,867	15,056	15,192	15,352	14,758
	Nondurable goods industries.....	93,515	93,574	93,816	94,116	-0.1	-0.3	-0.3	93,876	94,104	93,756	94,509	94,109
	With unfilled orders.....	23,700	23,929	24,180	24,183	-1.0	-1.0	0.0	24,206	24,264	24,192	24,101	23,216
20	Food and kindred products.....	21,469	21,521	21,380	21,515	-0.2	+0.7	-0.6	20,649	20,971	21,056	21,708	21,208
201	Meat products.....	2,187	2,168	2,236	2,294	+0.9	-3.0	-2.5	2,281	2,303	2,294	2,365	2,318
208	Beverages.....	3,452	3,477	3,535	3,440	-0.7	-1.6	+2.8	3,528	3,578	3,641	3,547	3,553
207	Fats and oils.....	1,126	1,216	1,107	1,045	-7.4	+9.8	+5.9	1,069	1,197	1,137	1,148	1,674
203-6,9	All other foods.....	12,959	12,879	12,683	12,929	+0.6	+1.5	-1.9	11,974	12,080	12,176	12,864	11,820
21	Tobacco products.....	3,426	3,470	3,530	3,629	-1.3	-1.7	-2.7	3,344	3,526	3,615	3,789	3,561
22	Textile mill products.....	6,817	6,876	6,932	6,991	-0.9	-0.8	-0.8	7,022	7,005	7,043	7,096	7,421
26	Paper and allied products.....	9,678	9,782	9,942	9,883	-1.1	-1.6	+0.6	9,905	9,982	9,988	9,862	9,362
261-3,6	Pulp, paper etc.....	3,720	3,742	3,814	3,773	-0.6	-1.9	+1.1	3,786	3,784	3,824	3,766	3,395
265	Paperboard containers.....	2,476	2,565	2,680	2,686	-3.5	-4.3	-0.2	2,525	2,613	2,680	2,649	2,530
264	All other paper products.....	3,482	3,475	3,448	3,424	+0.2	+0.8	+0.7	3,594	3,585	3,484	3,447	3,437
28	Chemicals and allied products.....	21,554	21,364	21,420	21,366	+0.9	-0.3	+0.3	21,737	21,677	21,633	21,628	20,923
281,6	Industrial chemicals, except pigments.....	6,597	6,527	6,581	6,605	+1.1	-0.8	-0.4	6,663	6,599	6,601	6,619	6,533
283,4	Drugs, soaps, and toiletries....	6,886	6,777	6,756	6,723	+1.6	+0.3	+0.5	7,065	6,893	6,750	6,710	6,669
29	Petroleum and coal products.....	8,075	7,973	8,042	8,045	+1.3	-0.9	0.0	7,961	7,907	7,862	7,986	8,894
30	Rubber and plastics products.....	6,101	6,044	6,069	6,028	+0.9	-0.4	+0.7	6,286	6,310	6,224	6,051	6,179
23,27, 31	All other nondurable goods.....	16,395	16,544	16,501	16,659	-0.9	+0.3	-0.9	16,972	16,726	16,335	16,389	16,561
	Market categories:												
	Home goods and apparel.....	22,423	22,797	22,685	22,885	-1.6	+0.5	-0.9	23,368	23,132	22,618	22,756	23,120
	Consumer staples.....	34,384	34,234	34,209	34,417	+0.4	+0.1	-0.6	33,752	33,920	33,978	34,621	32,934
	Equipment and defense products, except automotive.....	85,568	85,377	84,844	85,263	+0.2	+0.6	-0.5	86,438	86,025	85,186	85,388	78,047
	Automotive equipment.....	13,399	13,689	13,606	13,680	-2.1	+0.6	-0.5	13,292	13,700	13,828	14,042	12,338
	Construction materials, supplies and intermediate products.....	19,356	19,352	19,563	19,495	0.0	-1.1	+0.3	19,568	19,606	19,911	19,781	19,781
	Other materials, supplies, and intermediate products.....	109,898	110,600	111,264	110,406	-0.6	-0.6	+0.8	111,123	111,712	111,392	110,735	110,472
	Supplementary series:[2]												
	Capital goods industries.....	97,492	97,299	96,629	96,834	+0.2	+0.7	-0.2	98,589	97,937	96,811	96,834	88,907
	Nondefense.....	73,533	73,293	73,140	73,429	+0.3	+0.2	-0.4	74,215	73,764	73,005	73,413	69,054
	Defense.....	23,959	24,006	23,489	23,405	-0.2	+2.2	+0.4	24,374	24,173	23,806	23,421	19,853
	Household durable goods industries.....	11,457	11,703	11,694	11,680	-2.1	+0.1	+0.1	11,832	11,883	11,696	11,675	10,992

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1985[p]	Apr. 1985[r]	Mar. 1985	Feb. 1985	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1985[p]	Apr. 1985[r]	Mar. 1985	Feb. 1985	May 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	90,834	92,037	91,845	92,682	-1.3	+0.2	-0.9	91,044	92,316	92,091	93,176	91,587
	Durable goods industries.....	54,614	55,638	55,445	55,768	-1.8	+0.3	-0.6	54,568	55,454	55,236	55,863	53,864
32	Stone, clay, and glass products...	1,868	1,857	1,834	1,858	+0.6	+1.3	-1.3	1,858	1,857	1,837	1,860	1,934
33	Primary metals.....	5,717	5,742	5,739	5,949	-0.4	+0.1	-3.5	5,581	5,555	5,622	5,948	6,406
34	Fabricated metal products.....	7,157	7,360	7,326	7,259	-2.8	+0.5	+0.9	7,206	7,433	7,407	7,284	7,246
35	Machinery, except electrical.....	11,726	11,900	11,872	11,847	-1.5	+0.2	+0.2	11,852	11,957	11,814	11,863	11,325
36	Electrical Machinery.....	8,559	8,657	8,872	8,866	-1.1	-2.4	+0.1	8,609	8,748	8,797	8,822	8,165
37	Transportation equipment.....	11,241	11,612	11,323	11,565	-3.2	+2.6	-2.1	11,267	11,564	11,392	11,678	10,839
38	Instruments and related products..	2,769	2,771	2,759	2,807	-0.1	+0.4	-1.7	2,772	2,783	2,753	2,774	2,725
24,25, 39	All other durable goods.....	5,577	5,739	5,720	5,617	-2.8	+0.3	+1.8	5,423	5,557	5,614	5,634	5,224
	Nondurable goods industries.....	36,220	36,399	36,400	36,914	-0.5	0.0	-1.4	36,476	36,862	36,855	37,313	37,723
20	Food and kindred products.....	7,486	7,609	7,570	7,798	-1.6	+0.5	-2.9	7,443	7,731	7,775	8,067	8,334
21	Tobacco products.....	2,931	2,918	3,048	3,105	+0.4	-4.3	-1.8	2,891	3,000	3,126	3,268	3,110
22	Textile mill products.....	2,095	2,127	2,148	2,209	-1.5	-1.0	-2.8	2,164	2,163	2,201	2,228	2,360
26	Paper and allied products.....	4,809	4,818	4,874	4,915	-0.2	-1.1	-0.8	4,811	4,856	4,883	4,885	4,775
28	Chemicals and allied products.....	8,148	8,242	8,101	8,175	-1.1	+1.7	-0.9	8,224	8,316	8,185	8,212	8,219
29	Petroleum and coal products.....	2,015	1,984	1,968	2,027	+1.6	+0.8	-2.9	2,148	2,044	1,969	1,983	2,231
30	Rubber and plastics products.....	2,033	2,037	2,026	1,980	-0.2	+0.5	+2.3	2,052	2,071	2,018	1,956	2,284
23,27, 31	All other nondurable goods.....	6,703	6,664	6,665	6,705	+0.6	0.0	-0.6	6,743	6,681	6,698	6,714	6,410
	WORK IN PROCESS												
	All manufacturing industries..	103,905	103,888	104,208	103,609	0.0	-0.3	+0.6	104,796	104,702	104,601	103,874	98,672
	Durable goods industries.....	89,634	89,537	89,684	88,967	+0.1	-0.2	+0.8	90,357	90,188	90,133	89,317	83,439
32	Stone, clay, and glass products...	790	800	796	786	-1.3	+0.5	+1.3	820	835	835	828	780
33	Primary metals.....	7,752	7,869	8,085	7,609	-1.5	-2.7	+6.3	7,845	7,920	8,009	7,630	8,323
34	Fabricated metal products.....	6,701	6,751	6,876	6,818	-0.7	-1.8	+0.9	6,881	6,891	6,999	6,849	6,632
35	Machinery, except electrical.....	16,304	16,566	16,739	16,882	-1.6	-1.0	-0.8	16,464	16,680	16,725	16,906	15,950
36	Electrical Machinery.....	18,752	18,436	18,192	18,111	+1.7	+1.3	+0.4	18,994	18,555	18,255	18,058	16,082
37	Transportation equipment.....	31,547	31,284	31,236	30,965	+0.8	+0.2	+0.9	31,492	31,405	31,520	31,237	28,009
38	Instruments and related products..	4,155	4,191	4,156	4,098	-0.9	+0.8	+1.4	4,200	4,246	4,171	4,092	4,032
24,25, 39	All other durable goods.....	3,633	3,640	3,604	3,698	-0.2	+1.0	-2.5	3,661	3,656	3,619	3,717	3,631
	Nondurable goods industries.....	14,271	14,351	14,524	14,642	-0.6	-1.2	-0.8	14,439	14,514	14,468	14,557	15,233
20	Food and kindred products.....	1,647	1,664	1,687	1,677	-1.0	-1.4	+0.6	1,646	1,667	1,714	1,728	1,703
21	Tobacco products.....	234	252	187	202	-7.1	+34.8	-7.4	183	195	174	199	193
22	Textile mill products.....	1,971	1,961	1,972	1,961	+0.5	-0.6	+0.6	1,982	1,979	1,991	1,999	2,214
26	Paper and allied products.....	1,131	1,136	1,178	1,141	-0.4	-3.6	+3.2	1,146	1,134	1,165	1,127	1,130
28	Chemicals and allied products.....	3,536	3,538	3,509	3,499	-0.1	+0.8	+0.3	3,601	3,566	3,517	3,505	3,538
29	Petroleum and coal products.....	1,244	1,262	1,290	1,440	-1.4	-2.2	-10.4	1,291	1,322	1,284	1,378	1,831
30	Rubber and plastics products.....	1,184	1,131	1,183	1,214	+4.7	-4.4	-2.6	1,162	1,155	1,174	1,188	1,073
23,27, 31	All other nondurable goods.....	3,324	3,407	3,518	3,508	-2.4	-3.2	+0.3	3,428	3,496	3,449	3,433	3,551
	FINISHED GOODS												
	All manufacturing industries..	90,289	90,124	90,118	89,855	+0.2	0.0	+0.3	91,701	91,077	90,221	90,273	86,431
	Durable goods industries.....	47,265	47,300	47,226	47,295	-0.1	+0.2	-0.1	48,740	48,349	47,788	47,634	45,278
32	Stone, clay, and glass products...	3,221	3,263	3,328	3,236	-1.3	-2.0	+2.8	3,374	3,393	3,427	3,343	3,243
33	Primary metals.....	5,665	5,686	5,734	5,752	-0.4	-0.8	-0.3	5,875	5,910	5,858	5,791	6,216
34	Fabricated metal products.....	4,928	4,982	5,008	4,947	-1.1	-0.5	+1.2	5,100	5,116	5,078	5,063	4,746
35	Machinery, except electrical.....	13,283	13,143	12,891	12,940	+1.1	+2.0	-0.4	13,532	13,233	12,905	12,945	11,418
36	Electrical Machinery.....	6,666	6,651	6,550	6,560	+0.2	+1.5	-0.2	6,945	6,821	6,626	6,495	6,152
37	Transportation equipment.....	5,205	5,195	5,149	5,203	+0.2	+0.9	-1.0	5,264	5,225	5,170	5,269	4,881
38	Instruments and related products..	2,752	2,747	2,799	2,765	+0.2	-1.9	+1.2	2,867	2,808	2,765	2,727	2,719
24,25, 39	All other durable goods.....	5,545	5,633	5,767	5,892	-1.6	-2.3	-2.1	5,783	5,843	5,959	6,001	5,903
	Nondurable goods industries.....	43,024	42,824	42,892	42,560	+0.5	-0.2	+0.8	42,961	42,728	42,433	42,639	41,153
20	Food and kindred products.....	12,336	12,248	12,123	12,040	+0.7	+1.0	+0.7	11,560	11,573	11,567	11,913	11,171
21	Tobacco products.....	261	300	295	322	-13.0	+1.7	-8.4	270	331	315	322	258
22	Textile mill products.....	2,751	2,788	2,812	2,821	-1.3	-0.9	-0.3	2,876	2,863	2,851	2,869	2,847
26	Paper and allied products.....	3,738	3,828	3,890	3,827	-2.4	-1.6	+1.6	3,948	3,992	3,940	3,850	3,457
28	Chemicals and allied products.....	9,870	9,584	9,810	9,692	+3.0	-2.3	+1.2	9,912	9,795	9,931	9,911	9,166
29	Petroleum and coal products.....	4,816	4,727	4,784	4,578	+1.9	-1.2	+4.5	4,522	4,541	4,609	4,625	4,832
30	Rubber and plastics products.....	2,884	2,876	2,860	2,834	+0.3	+0.6	+0.9	3,072	3,084	3,032	2,907	2,822
23,27, 31	All other nondurable goods.....	6,368	6,473	6,318	6,446	-1.6	+2.5	-2.0	6,801	6,549	6,188	6,242	6,600

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		May 1985P	Apr. 1985r	Mar. 1985r	Feb. 1985	May 1985P	Apr. 1985r	Mar. 1985r	Feb. 1985
	All manufacturing industries	1.46	1.48	1.47	1.49	3.38	3.39	3.40	3.47
	Durable goods industries	1.86	1.88	1.88	1.89	4.11	4.10	4.14	4.21
32	Stone, clay, and glass products	1.22	1.20	1.28	1.25	0.56	0.56	0.60	0.60
33	Primary metals	1.80	1.82	1.95	1.85	1.83	1.85	1.89	1.83
34	Fabricated metal products	1.36	1.41	1.43	1.44	1.63	1.68	1.70	1.75
35	Machinery, except electrical	2.28	2.29	2.26	2.44	3.58	3.63	3.66	3.86
36	Electrical machinery	2.28	2.29	2.16	2.20	5.46	5.52	5.25	5.34
37	Transportation equipment	1.91	1.90	1.90	1.81	10.84	10.25	10.42	10.36
38	Instruments and related products	2.03	2.07	2.07	2.02	1.80	1.80	1.79	1.78
	Nondurable goods industries	1.02	1.02	1.02	1.04	0.47	0.48	0.48	0.50
20	Food and kindred products	0.85	0.87	0.85	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	1.87	2.36	1.88	2.15	(X)	(X)	(X)	(X)
22	Textile mill products	1.60	1.60	1.61	1.65	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.18	1.22	1.24	1.21	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.22	1.19	1.22	1.21	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.49	0.47	0.49	0.52	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.51	1.49	1.48	1.44	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago May 1984	All Mays 1980-1984	May 1984-Apr. 1985	Year ago May 1984	All Mays 1980-1984	May 1984-Apr. 1985	Year ago May 1984	All Mays 1980-1984	May 1984-Apr. 1985	Year ago May 1984	All Mays 1980-1984	May 1984-Apr. 1985
	All manufacturing industries.	0.1	0.1	0.2	0.2	0.3	0.4	0.0	0.0	0.1	0.1	0.1	0.1
	Durable goods industries	0.0	0.1	0.5	0.2	0.3	0.6	0.1	0.1	0.2	0.2	0.1	0.1
32	Stone, clay, and glass products..	0.2	0.7	0.8	0.6	0.9	1.2	0.7	0.5	1.4	0.4	0.5	0.5
33	Primary metals	0.7	0.5	0.6	0.1	0.9	1.4	0.3	0.3	0.6	0.2	0.2	0.2
34	Fabricated metal products	0.6	0.5	1.1	1.0	1.1	1.0	0.1	0.2	0.2	0.2	0.2	0.3
35	Machinery, except electrical	0.2	0.9	0.7	0.4	1.3	0.7	0.1	0.2	0.2	0.0	0.1	0.1
36	Electrical machinery	0.0	0.5	1.2	0.4	1.0	1.1	0.1	0.2	0.3	0.1	0.1	0.2
37	Transportation equipment	0.2	0.3	0.5	1.3	2.3	0.8	0.2	0.2	0.1	0.1	0.1	0.2
38	Instruments and related products.	1.0	1.0	0.8	0.9	1.6	1.7	0.0	0.8	0.6	0.0	0.4	0.2
	Nondurable goods industries	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.3	0.3	0.2	0.2	0.2
20	Food and kindred products	0.7	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7	0.4
21	Tobacco products	0.0	1.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.3
22	Textile mill products	0.2	0.4	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.2	0.4
26	Paper and allied products	0.2	0.7	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.3	0.3
28	Chemicals and allied product	0.3	0.6	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.4	0.3
29	Petroleum and coal products	0.4	0.8	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.4	1.2	0.4
30	Rubber and plastics products	0.5	0.9	1.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.3
	Capital Goods Industries:												
	Nondefense	0.6	0.7	1.1	1.3	1.6	1.1	0.1	0.2	0.1	0.1	0.1	0.1
	Defense	0.6	0.7	1.1	0.5	1.0	3.5	0.1	0.1	0.2	0.1	0.2	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

DOCUMENTS
MAR 7 1986
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

June 1985
M3-1(85)-6
For Wire Transmission 10:00 a.m. E.D.T. Wednesday, July 31, 1985

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

158:
3-1 (85)-6

SUMMARY. New orders for manufactured goods in June increased $3.8 billion or 1.9 percent to $198.8 billion, following a 2.1 percent increase in May. New orders for defense capital goods contributed significantly to the increases in both months; excluding defense, new orders were up in June 0.9 percent and in May 0.7 percent. Durable goods increased 3.6 percent, revised up from the earlier reported 1.8 percent increase because of more complete reporting.

Shipments of manufactured goods declined $0.1 billion in June to $194.5 billion. Shipments reached a high in December 1984 of $196.2 billion, declined to an average of $192.0 billion in January and February, increased to $194.3 billion in March and have been relatively flat since then.

Unfilled orders increased $4.3 billion or 1.2 percent to $359.4 billion, the largest 1 month increase since the 1.2 percent increase in July 1984. Most of this month's increase was for defense capital goods; without defense, there was a 0.2 percent increase.

The book value of inventories increased $1.1 billion or 0.4 percent to $286.0 billion offsetting last month's decrease of 0.4 percent. Inventories have been relatively flat around $286.0 billion since October 1984. The inventory to shipments ratio in June was 1.47, up from 1.46 in May.

NEW ORDERS. Within the durable goods industries transportation equipment was up $1.7 billion or 6.5 percent to $28.1 billion, as increases in aircraft and shipbuilding totalling $2.8 billion more than offset a decline in automotive. Electrical machinery orders were up $1.4 billion or 9.4 percent to $16.4 billion, with communication equipment up 22.7 percent. Nonelectrical machinery was up $0.5 billion or 2.9 percent with engines and turbines increasing 55.8 percent. Reflecting the increases in transportation and machinery, capital goods in total were up $4.9 billion or 14.3 percent; nondefense increased $2.7 billion or 10.6 percent to $28.3 billion, while defense increased $2.2 billion or 25.1 percent to $11.0 billion.

New orders for nondurable goods had a slight increase of $0.1 billion to $92.1 billion. Declines in food products, petroleum products and rubber and plastics were offset by increases in chemicals, apparel, paper and tobacco.

SHIPMENTS. Shipments of manufactured durable goods increased slightly in June to $102.8 billion. Transportation equipment was down $0.7 billion or 2.7 percent to $24.5 billion; a large decline in automotive was partially offset by an increase in aircraft and parts. Electrical machinery was up $0.9 billion or 6.2 percent to $15.7 billion; nonelectrical declined $0.2 billion or 0.9 percent to $17.9 billion. Both primary metals and fabricated metals had small declines.

Nondurable goods shipments were down $0.1 billion or 0.2 percent to $91.8 billion. As with new orders, declines in food products, petroleum products and rubber and plastics were offset by increases in chemicals, apparel, paper and tobacco.

UNFILLED ORDERS. Unfilled orders for durable goods increased $3.9 billion or 1.1 percent to $349.1 billion; $3.6 billion of the increase was in transportation equipment as defense and nondefense aircraft orders were up in total $3.0 billion or 2.6 percent to $121.6 billion. The other major increase in backlog was in electrical machinery, up $0.6 billion or 0.8 percent to $82.2 billion; an increase in communication equipment of $1.5 billion or 2.7 percent to $57.2 billion was partially offset by declines in all of the other electrical machinery categories.

INVENTORIES. Durable goods inventories increased $0.9 billion or 0.5 percent to $192.5 billion. Over half of the increase was in the aircraft and parts industry; other smaller increases were scattered. Nondurable goods were up slightly to $93.5 billion; an increase of $0.6 billion or 2.9 percent in chemicals was mostly offset by declines in petroleum and tobacco products.

The materials and supplies and work in process inventories increased 0.6 percent and 0.8 percent respectively with both the durable goods and nondurable goods contributing to the increases. The finished goods inventory declined by 0.3 percent with all of the decline in the nondurable industries.

SCHEDULED RELEASE DATES. The advance report on durable goods for July is scheduled for release on August 22, 1985 at 8:30 A.M. and the full report on August 30, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is available electronically in CENDATA, the Bureau's online information service, through commercial vendors. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100 or (301) 763-2502.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1985P	May 1985r	Apr. 1985r	Mar. 1985	May-JuneP	Apr.-MayP	Mar.-Apr.r	June 1985P	May 1985r	Apr. 1985r	Mar. 1985	1985P	1984
	All manufacturing industries	194,541	194,638	193,509	194,303	0.0	+0.6	-0.4	207,780	197,375	194,611	203,913	1,172,029	1,135,067
	Manufacturing industries with unfilled orders	106,337	104,922	104,350	104,942	+1.3	+0.5	-0.6	113,769	106,055	104,651	110,952	633,081	595,271
	Durable goods industries	102,761	102,718	102,068	102,116	0.0	+0.6	0.0	112,138	105,450	103,923	109,305	624,256	589,240
	With unfilled orders	85,064	83,807	83,755	83,907	+1.5	+0.1	-0.2	92,167	85,043	84,138	89,396	508,002	474,449
32	Stone, clay, and glass products	4,786	4,822	4,933	4,670	-0.7	-2.3	+5.6	5,267	4,984	4,994	4,725	28,376	26,817
322	Glass containers	380	397	411	371	-4.3	-3.4	+10.8	424	416	418	399	2,403	2,342
33	Primary metals	10,442	10,579	10,586	10,034	-1.3	-0.1	+5.5	11,196	11,015	11,106	10,912	65,185	69,089
331	Blast furnaces, steel mills	4,382	4,478	4,413	4,181	-2.1	+1.5	+5.5	4,755	4,603	4,647	4,579	27,348	28,632
333-9	Nonferrous and other primary metals	4,898	4,908	4,946	4,682	-0.2	-0.8	+5.6	5,153	5,094	5,154	5,066	30,261	32,706
34	Fabricated metal products	13,847	13,975	13,548	13,470	-0.9	+3.2	+0.6	14,971	14,391	13,751	14,106	82,210	67,409
341	Metal cans, barrels, and drums	959	999	947	953	-4.0	+5.5	-0.6	1,086	1,035	929	947	5,649	5,410
35	Machinery, except electrical	17,899	18,067	18,117	18,367	-0.9	-0.3	-1.4	19,777	18,149	17,769	19,982	107,518	103,534
351	Engines and turbines	1,359	1,188	1,180	1,315	+14.4	+0.7	-10.3	1,508	1,218	1,223	1,509	7,776	7,725
352	Farm machinery and equipment	809	943	950	978	-14.2	-0.7	-2.9	890	1,065	1,063	1,147	5,490	5,865
353	Construction, mining, and material handling equipment	2,727	2,828	2,996	2,813	-3.6	-5.6	+6.5	2,981	2,904	2,942	2,813	16,762	16,215
354	Metalworking machinery	930	849	791	912	+9.5	+7.3	-13.3	977	828	778	1,001	5,123	4,850
356	General industrial machinery	1,394	1,328	1,522	1,399	+5.0	-12.7	+8.8	1,437	1,347	1,463	1,455	8,402	8,271
357	Office and computing machines	4,925	4,838	4,768	4,985	+1.8	+1.5	-4.4	5,565	4,460	4,177	5,538	27,033	24,900
36	Electrical machinery	15,714	14,801	14,589	15,544	+6.2	+1.5	-6.1	16,890	14,796	14,612	16,352	91,495	89,558
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,163	2,015	1,972	2,126	+7.3	+2.2	-7.2	2,325	2,008	1,980	2,307	12,326	12,311
363	Household appliances	1,490	1,425	1,340	1,336	+4.6	+6.3	+0.3	1,637	1,441	1,351	1,400	8,563	8,708
365	Radio and TV	853	859	941	948	-0.7	-8.7	-0.7	989	787	833	959	5,322	4,954
366	Communication equipment	5,247	4,911	4,751	5,222	+6.8	+3.4	-9.0	5,676	4,961	4,855	5,605	30,407	26,730
367	Electronic components	3,299	3,163	3,193	3,475	+4.3	-0.9	-8.1	3,500	3,236	3,318	3,583	20,294	22,206
37	Transportation equipment	24,497	25,175	25,317	25,120	-2.7	-0.6	+0.8	27,466	26,747	26,630	27,639	159,530	146,508
371	Motor vehicles and parts	15,279	16,673	16,475	16,187	-8.4	+1.2	+1.8	17,485	18,224	17,749	17,962	106,492	100,058
372,6	Aircraft, missiles, and parts	7,529	6,823	7,178	7,226	+10.3	-4.9	-0.7	8,204	6,777	7,105	7,750	42,658	36,239
3731,95	Shipbuilding and military tank vehicles	864	845	842	873	+2.2	+0.4	-3.6	904	852	806	910	5,069	5,091
38	Instruments and related products	4,811	4,747	4,699	4,692	+1.3	+1.0	+0.1	5,166	4,670	4,529	4,946	28,055	26,173
381-4	Scientific and engineering instruments	3,145	3,102	3,066	3,087	+1.4	+1.2	-0.7	3,334	3,031	2,965	3,319	18,452	16,096
386	Photographic goods	1,473	1,439	1,441	1,416	+2.4	-0.1	+1.8	1,625	1,425	1,366	1,417	8,444	8,882
24,25, 39	All other durable goods	10,765	10,552	10,279	10,219	+2.0	+2.7	+0.6	11,405	10,698	10,532	10,643	61,887	60,149
	Nondurable goods industries	91,780	91,920	91,441	92,187	-0.2	+0.5	-0.8	95,642	91,925	90,688	94,608	547,773	545,827
	With unfilled orders	21,273	21,115	20,595	21,035	+0.7	+2.5	-2.1	21,602	21,012	20,513	21,556	125,079	120,823
20	Food and kindred products	24,367	25,101	24,603	25,045	-2.9	+2.0	-1.8	25,521	25,030	23,980	25,939	148,256	146,368
201	Meat products	5,653	5,655	5,549	5,703	0.0	+1.9	-2.7	5,772	5,734	5,349	5,623	33,785	34,697
208	Beverages	3,703	3,788	3,803	3,704	-2.2	-0.4	+2.7	4,259	4,057	3,978	3,678	22,503	21,446
207	Fats and oils	1,155	1,306	1,181	1,089	-11.6	+10.6	+8.4	1,172	1,292	1,132	1,115	7,009	8,363
203-6,9	All other foods	10,645	11,046	10,803	11,284	-3.6	+2.2	-4.3	10,943	10,582	10,263	12,232	65,428	62,693
21	Tobacco products	2,055	1,836	1,468	1,874	+11.9	+25.1	-21.7	2,252	1,772	1,442	1,800	9,996	8,123
22	Textile mill products	4,389	4,287	4,299	4,306	+2.4	-0.3	-0.2	4,805	4,360	4,266	4,720	26,081	28,577
26	Paper and allied products	8,234	8,190	8,029	8,047	+0.5	+2.0	-0.2	8,596	8,224	8,099	8,394	49,513	48,171
261-3,6	Pulp, paper etc.	3,372	3,436	3,534	3,504	-1.9	-2.8	+0.9	3,547	3,515	3,605	3,683	21,298	21,020
265	Paperboard containers	1,792	1,844	1,883	1,823	-2.8	-2.1	+3.3	1,867	1,844	1,889	1,904	11,184	10,774
264	All other paper products	3,070	2,910	2,612	2,720	+5.5	+11.4	-4.0	3,182	2,865	2,605	2,807	17,031	16,377
28	Chemicals and allied products	17,870	17,456	17,955	17,583	+2.4	-2.8	+2.1	19,079	18,211	18,702	19,157	110,133	108,510
281,6	Industrial chemicals, except pigments	6,116	5,953	5,807	5,953	+2.7	+2.5	-2.5	6,483	6,048	6,039	6,453	36,552	34,774
283,4	Drugs, soaps, and toiletries	4,791	4,453	4,412	4,547	+7.6	+0.9	-3.0	5,117	4,213	4,082	4,829	27,316	26,331
29	Petroleum and coal products	16,171	16,418	16,816	16,520	-1.5	-2.4	+1.8	16,672	16,342	16,397	15,923	95,318	99,875
30	Rubber and plastics products	3,944	4,103	4,049	4,102	-3.9	+1.3	-1.3	4,252	4,098	4,110	4,107	24,616	26,363
23,27, 31	All other nondurable goods	14,750	14,529	14,222	14,710	+1.5	+2.2	-3.3	14,465	13,888	13,692	14,568	83,860	79,838
	Market categories:													
	Home goods and apparel	13,625	13,214	13,114	13,222	+3.1	+0.8	-0.8	14,130	12,582	12,564	13,750	77,188	76,975
	Consumer staples	34,958	34,923	33,979	35,116	+0.1	+2.8	-3.2	36,558	34,532	33,181	36,060	206,432	197,851
	Equipment and defense products, except automotive	30,970	29,843	30,170	30,887	+3.8	-1.1	-2.3	33,728	29,699	29,521	33,149	179,563	163,498
	Automotive equipment	17,184	18,600	18,413	18,148	-7.6	+1.0	+1.5	19,579	20,285	19,951	20,111	118,564	112,733
	Construction materials, supplies and intermediate products	17,603	17,396	17,014	16,669	+1.2	+2.2	+2.1	19,286	18,014	17,279	16,858	100,743	85,489
	Other materials, supplies, and intermediate products	80,201	80,662	80,819	80,261	-0.6	-0.2	+0.7	84,499	82,263	82,115	83,985	489,539	498,519
	Supplementary series:[2]													
	Capital goods industries	34,860	33,393	33,454	34,485	+4.4	-0.2	-3.0	37,939	33,169	32,738	37,009	201,448	187,152
	Nondefense	27,666	26,809	27,102	27,767	+3.2	-1.1	-2.4	30,432	26,565	26,401	29,921	161,620	152,430
	Defense	7,194	6,584	6,352	6,718	+9.3	+3.7	-5.4	7,507	6,604	6,337	7,088	39,828	34,719
	Household durable goods industries	6,729	6,574	6,443	6,451	+2.4	+2.0	-0.1	7,078	6,407	6,348	6,842	38,493	36,338

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1985P	May 1985r	Apr. 1985r	Mar. 1985	May-JuneP	Apr.-Mayr	Mar.-Apr.r	June 1985P	May 1985r	Apr. 1985r	Mar. 1985	1985P	1984
	All manufacturing industries	198,810	195,019	191,081	191,532	+1.9	+2.1	-0.2	208,720	195,193	192,564	204,229	1,179,574	1,163,338
	Manufacturing industries with unfilled orders	110,606	105,303	101,922	102,171	+5.0	+3.3	-0.2	114,709	103,873	102,604	111,267	640,625	623,546
	Durable goods industries	106,698	102,971	99,839	99,544	+3.6	+3.1	+0.3	112,910	103,166	101,914	109,729	631,354	617,188
	With unfilled orders	89,001	84,060	81,526	81,335	+5.9	+3.1	+0.2	92,939	82,759	82,129	89,820	515,100	502,392
32	Stone, clay, and glass products	4,862	4,760	4,917	4,644	+2.1	-3.2	+5.9	5,310	4,969	4,992	4,718	28,608	27,263
33	Primary metals	10,562	10,559	11,169	10,019	0.0	-5.5	+11.5	10,683	10,560	11,239	11,266	66,196	69,489
331	Blast furnaces, steel mills	4,425	4,215	4,734	4,093	+5.0	-11.0	+15.7	4,346	4,108	4,646	4,754	27,863	28,240
333-9	Nonferrous and other primary metals	4,995	5,013	5,101	4,657	-0.4	-1.7	+9.5	5,128	5,060	5,218	5,144	30,524	32,942
34	Fabricated metal products	13,393	13,593	13,457	13,253	-1.5	+1.0	+1.5	14,654	14,094	13,506	14,319	81,766	68,429
35	Machinery, except electrical	17,843	17,332	17,002	18,782	+2.9	+1.9	-9.5	19,433	17,534	16,948	20,378	108,781	108,755
351	Engines and turbines	1,532	983	1,094	1,060	+55.8	-10.1	+3.2	1,489	1,113	1,051	1,257	7,002	7,211
353	Construction, mining, and material handling equipment	2,795	2,724	3,014	3,064	+2.6	-9.6	-1.6	3,002	2,799	2,907	3,092	16,834	16,769
354	Metalworking machinery	1,006	898	921	1,060	+12.0	-2.5	-13.1	1,095	889	902	1,116	5,770	5,302
356	General industrial machinery	1,453	1,332	1,448	1,515	+9.1	-8.0	-4.4	1,456	1,342	1,402	1,563	8,354	8,437
357	Office and computing machines	4,652	4,577	3,621	5,193	+1.6	+26.4	-30.3	5,454	4,432	3,491	5,701	28,864	28,262
36	Electrical machinery	16,356	14,947	14,378	15,871	+9.4	+4.0	-9.4	16,658	15,113	14,115	17,180	95,927	98,946
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,013	2,007	1,922	2,098	+0.3	+4.4	-8.4	2,104	1,956	1,961	2,310	12,222	12,401
363	Household appliances	1,506	1,431	1,355	1,306	+5.2	+5.6	+3.8	1,643	1,464	1,374	1,394	8,617	8,816
365	Radio and TV	699	973	895	1,063	-28.2	+8.7	-15.8	923	1,112	653	918	5,440	5,238
366	Communication equipment	6,753	5,502	5,266	6,322	+22.7	+4.5	-16.7	6,569	5,386	4,900	7,185	36,885	31,248
367	Electronic components	2,783	2,588	2,505	2,644	+7.5	+3.3	-5.3	2,720	2,820	2,911	2,882	18,246	26,554
37	Transportation equipment	28,136	26,416	23,975	22,532	+6.5	+10.2	+6.4	29,636	25,315	25,790	26,191	158,789	155,901
372,6	Aircraft, missiles, and parts	10,559	8,002	6,433	5,026	+32.0	+24.4	+28.0	10,434	5,771	6,965	7,026	44,007	46,322
3731,95	Shipbuilding and military tank vehicles	1,285	1,035	393	555	+24.2	+163.4	-29.2	823	783	405	377	3,522	4,448
38	Instruments and related products	4,870	4,827	4,782	4,590	+0.9	+0.9	+4.2	5,320	4,691	4,605	4,911	28,445	26,698
24,25, 39	All other durable goods	10,676	10,537	10,159	9,852	+1.3	+3.7	+3.1	11,216	10,890	10,719	10,766	62,842	61,707
	Nondurable goods industries	92,112	92,048	91,242	91,988	+0.1	+0.9	-0.8	95,810	92,027	90,650	94,500	548,220	546,150
	With unfilled orders	21,605	21,243	20,396	20,836	+1.7	+4.2	-2.1	21,770	21,114	20,475	21,447	125,525	121,154
	Market categories:													
	Home goods and apparel	13,618	13,118	12,843	12,910	+3.8	+2.1	-0.5	14,079	12,863	12,528	13,793	78,239	78,766
	Consumer staples	34,928	34,943	33,988	35,047	0.0	+2.8	-3.0	36,523	34,522	33,165	35,958	206,411	197,766
	Equipment and defense products, except automotive	33,692	30,738	29,299	30,750	+9.6	+4.9	-4.7	34,567	28,926	28,518	34,263	185,628	180,485
	Automotive equipment	17,413	18,461	18,247	18,123	-5.7	+1.2	+0.7	19,642	19,925	19,643	19,924	118,059	112,456
	Construction materials, supplies and intermediate products	17,471	17,200	17,036	16,322	+1.6	+1.0	+4.4	19,165	17,888	17,272	16,885	101,092	86,123
	Other materials, supplies, and intermediate products	81,688	80,559	79,668	78,380	+1.4	+1.1	+1.6	84,744	81,069	81,438	83,406	490,145	507,741
	Supplementary series:[2]													
	Capital goods industries	39,287	34,367	31,591	33,446	+14.3	+8.8	-5.5	40,196	31,672	31,336	37,793	208,551	206,841
	Nondefense	28,312	25,594	25,461	27,206	+10.6	+0.5	-6.4	30,656	25,122	24,998	29,925	161,835	164,203
	Defense	10,975	8,773	6,130	6,240	+25.1	+43.1	-1.8	9,540	6,550	6,338	7,868	46,716	42,638
	Household durable goods industries	6,694	6,453	6,195	6,167	+3.7	+4.2	+0.5	7,009	6,640	6,281	6,892	39,405	38,059

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1985P	May 1985r	Apr. 1985r	Mar. 1985	May-JuneP	Apr.-Mayr	Mar.-Apr.r	June 1985P	May 1985r	Apr. 1985r	Mar. 1985	June 1984
	All manufacturing industries..	359,381	355,112	354,731	357,151	+1.2	+0.1	-0.7	360,485	359,545	361,728	363,772	356,519
	Durable goods industries.....	349,064	345,127	344,874	347,096	+1.1	+0.1	-0.6	350,125	349,353	351,638	353,645	345,664
32	Stone, clay, and glass products...	2,561	2,485	2,547	2,562	+3.1	-2.4	-0.6	2,629	2,586	2,601	2,603	2,390
33	Primary metals.....	19,676	19,556	19,576	18,993	+0.6	-0.1	+3.1	19,515	20,028	20,483	20,350	20,709
331	Blast furnaces, steel mills.....	9,071	9,028	9,291	8,970	+0.5	-2.8	+3.6	8,917	9,326	9,821	9,822	9,298
333-9	Nonferrous and other primary metals.....	7,320	7,223	7,118	6,963	+1.3	+1.5	+2.2	7,379	7,404	7,438	7,374	8,308
34	Fabricated metal products.....	20,386	20,840	21,222	21,313	-2.2	-1.8	-0.4	20,737	21,054	21,351	21,597	21,143
35	Machinery, except electrical.....	61,758	61,814	62,547	63,659	-0.1	-1.2	-1.7	62,235	62,579	63,194	64,016	63,355
351	Engines and turbines.....	14,609	14,436	14,641	14,727	+1.2	-1.4	-0.6	14,388	14,407	14,512	14,685	14,207
353	Construction, mining, and material handling equipment....	5,964	5,896	6,000	5,982	+1.2	-1.7	+0.3	5,964	5,943	6,048	6,084	6,222
354	Metalworking machinery.....	4,307	4,231	4,182	4,052	+1.8	+1.2	+3.2	4,290	4,172	4,111	3,987	2,826
356	General industrial machinery....	4,608	4,549	4,545	4,618	+1.3	+0.1	-1.6	4,613	4,594	4,599	4,660	4,813
357	Office and computing machines...	21,292	21,565	21,825	22,971	-1.3	-1.2	-5.0	22,101	22,212	22,240	22,925	23,508
36	Electrical machinery.....	82,211	81,569	81,423	81,630	+0.8	+0.2	-0.3	82,347	82,579	82,262	82,757	78,554
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,094	6,244	6,252	6,301	-2.4	-0.1	-0.8	6,078	6,299	6,351	6,369	6,330
363	Household appliances.....	389	373	367	352	+4.3	+1.6	+4.3	417	411	388	365	569
365	Radio and TV.....	493	647	533	578	-23.8	+21.4	-7.8	553	619	294	474	680
366	Communication equipment.....	57,219	55,713	55,122	54,605	+2.7	+1.1	+0.9	57,047	56,154	55,729	55,683	46,710
367	Electronic components.....	16,599	17,115	17,690	18,378	-3.0	-3.3	-3.7	16,848	17,628	18,044	18,451	22,818
37	Transportation equipment.....	148,067	144,428	143,189	144,531	+2.5	+0.9	-0.9	147,820	145,650	147,083	147,923	144,725
372,6	Aircraft, missiles, and parts...	121,559	118,529	117,351	118,097	+2.6	+1.0	-0.6	121,886	119,656	120,663	120,805	114,411
3731,95	Shipbuilding and military tank vehicles.....	19,531	19,110	18,920	19,369	+2.2	+1.0	-2.3	19,310	19,391	19,460	19,860	22,013
38	Instruments and related products..	8,620	8,567	8,481	8,398	+0.7	+0.9	+1.0	8,704	8,550	8,529	8,452	8,180
24,25, 39	All other durable goods.....	5,785	5,874	5,889	6,010	-1.5	-0.3	-2.0	6,138	6,327	6,135	5,947	6,608
	Nondurable goods industries.....	10,317	9,985	9,857	10,055	+3.3	+1.3	-2.0	10,360	10,192	10,090	10,127	10,855
	Market categories:												
	Home goods and apparel.....	4,449	4,456	4,552	4,819	-0.2	-2.1	-5.5	4,879	4,930	4,649	4,684	5,798
	Consumer staples.....	665	695	675	666	-4.3	+3.0	+1.4	612	647	657	673	617
	Equipment and defense products, except automotive.....	225,436	222,714	221,820	222,686	+1.2	+0.4	-0.4	225,966	225,127	225,901	226,903	213,875
	Automotive equipment.....	6,346	6,117	6,256	6,422	+3.7	-2.2	-2.6	5,984	5,921	6,281	6,589	7,501
	Construction materials, supplies and intermediate products.....	12,293	12,425	12,621	12,600	-1.1	-1.6	+0.2	12,544	12,665	12,791	12,798	12,481
	Other materials, supplies, and intermediate products.....	110,192	108,705	108,807	109,958	+1.4	-0.1	-1.0	110,500	110,255	111,449	112,125	116,246
	Supplementary series:[2]												
	Capital goods industries.....	270,455	266,028	265,054	266,911	+1.7	+0.4	-0.7	270,959	268,702	270,200	271,602	256,595
	Nondefense.....	132,716	132,070	133,285	134,921	+0.5	-0.9	-1.2	133,043	132,819	134,263	135,666	134,870
	Defense.....	137,739	133,958	131,769	131,990	+2.8	+1.7	-0.2	137,916	135,883	135,937	135,936	121,726
	Household durable goods industries.....	3,947	3,982	4,103	4,347	-0.9	-2.9	-5.6	4,343	4,412	4,179	4,246	5,217

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1985P	May 1985r	Apr. 1985	Mar. 1985	May-JuneP	Apr.-Mayr	Mar.-Apr.	June 1985P	May 1985r	Apr. 1985	Mar. 1985	June 1984
	All manufacturing industries..	285,959	284,900	286,049	286,171	+0.4	-0.4	0.0	286,352	287,400	288,095	286,913	277,564
	Manufacturing industries with unfilled orders.....	200,328	199,627	200,549	200,414	+0.4	-0.5	+0.1	201,772	202,110	202,123	200,766	191,499
	Durable goods industries.....	192,474	191,546	192,475	192,355	+0.5	-0.5	+0.1	193,311	193,692	193,991	193,157	183,264
	With unfilled orders.....	176,873	176,015	176,620	176,234	+0.5	-0.3	+0.2	177,757	177,991	177,859	176,574	167,928
32	Stone, clay, and glass products...	6,025	5,880	5,920	5,958	+2.5	-0.7	-0.6	6,105	6,052	6,085	6,099	5,932
322	Glass containers.....	628	611	625	647	+2.8	-2.2	-3.4	637	629	640	651	641
33	Primary metals.....	19,118	19,083	19,297	19,558	+0.2	-1.1	-1.3	19,087	19,250	19,385	19,489	20,947
331	Blast furnaces, steel mills.....	8,579	8,619	8,717	8,878	-0.5	-1.1	-1.8	8,519	8,576	8,551	8,621	9,754
333-9	Nonferrous and other primary metals.....	9,248	9,190	9,260	9,344	+0.6	-0.8	-0.9	9,276	9,355	9,464	9,493	9,893
34	Fabricated metal products.....	18,741	18,804	19,093	19,210	-0.3	-1.5	-0.6	19,189	19,205	19,440	19,484	18,895
341	Metal cans, barrels, and drums..	2,306	2,291	2,384	2,475	+0.7	-3.9	-3.7	2,571	2,577	2,667	2,693	2,301
35	Machinery, except electrical.....	41,169	41,273	41,609	41,502	-0.3	-0.8	+0.3	41,390	41,806	41,870	41,444	38,751
351	Engines and turbines.....	2,099	2,171	2,115	2,150	-3.3	+2.6	-1.6	2,097	2,195	2,136	2,137	2,267
352	Farm machinery and equipment....	1,776	1,785	1,821	1,886	-0.5	-2.0	-3.4	1,820	1,815	1,869	1,928	1,925
353	Construction, mining, and material handling equipment....	6,606	6,665	6,698	6,784	-0.9	-0.5	-1.3	6,646	6,798	6,791	6,825	6,875
354	Metalworking machinery.....	2,745	2,732	2,719	2,659	+0.5	+0.5	+2.3	2,772	2,757	2,711	2,629	2,380
356	General industrial machinery....	3,495	3,506	3,501	3,559	-0.3	+0.1	-1.6	3,530	3,555	3,539	3,566	3,570
357	Office and computing machines...	12,997	12,910	13,173	12,918	+0.7	-2.0	+2.0	13,049	13,039	13,108	12,711	11,094
36	Electrical machinery.....	34,224	33,957	33,744	33,614	+0.8	+0.6	+0.4	34,646	34,527	34,124	33,678	30,707
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,510	4,587	4,497	4,522	-1.7	+2.0	-0.6	4,560	4,662	4,522	4,480	4,411
363	Household appliances.....	2,469	2,458	2,530	2,595	+0.4	-2.8	-2.5	2,597	2,665	2,702	2,686	2,408
365	Radio and TV.....	1,384	1,417	1,385	1,377	-2.3	+2.3	+0.6	1,430	1,448	1,377	1,322	1,234
366	Communication equipment.....	14,502	14,127	14,007	13,766	+2.7	+0.9	+1.8	14,496	14,238	14,100	13,871	12,031
367	Electronic components.....	6,515	6,563	6,504	6,561	-0.7	+0.9	-0.9	6,574	6,589	6,530	6,555	6,111
37	Transportation equipment.....	48,643	48,060	48,091	47,708	+1.2	-0.1	+0.8	48,124	48,086	48,194	48,082	43,815
371	Motor vehicles and parts.....	11,134	10,979	11,254	11,115	+1.4	-2.4	+1.3	10,763	10,855	11,223	11,221	9,932
372,6	Aircraft, missiles, and parts...	34,493	33,986	33,777	33,521	+1.5	+0.6	+0.8	34,410	34,201	33,945	33,754	30,932
3731,95	Shipbuilding and military tank vehicles.....	1,375	1,378	1,390	1,342	-0.2	-0.9	+3.6	1,382	1,376	1,389	1,345	1,302
38	Instruments and related products..	9,704	9,684	9,709	9,714	+0.2	-0.3	-0.1	9,881	9,847	9,837	9,689	9,554
381-4	Scientific and engineering instruments.....	6,966	6,952	6,943	6,970	+0.2	+0.1	-0.4	7,084	7,042	7,047	6,970	6,777
386	Photographic goods.....	2,111	2,102	2,135	2,113	+0.4	-1.5	+1.0	2,153	2,159	2,147	2,090	2,182
24,25, 39	All other durable goods.....	14,850	14,805	15,012	15,091	+0.3	-1.4	-0.5	14,889	14,919	15,056	15,192	14,663
	Nondurable goods industries.....	93,485	93,354	93,574	93,816	+0.1	-0.2	-0.3	93,041	93,708	94,104	93,756	94,300
	With unfilled orders.....	23,455	23,612	23,929	24,180	-0.7	-1.3	-1.0	24,015	24,119	24,264	24,192	23,571
20	Food and kindred products.....	21,428	21,482	21,521	21,380	-0.3	-0.2	+0.7	20,191	20,663	20,971	21,056	20,726
201	Meat products.....	2,229	2,189	2,168	2,236	+1.8	+1.0	-3.0	2,229	2,283	2,303	2,294	2,263
208	Beverages.....	3,464	3,454	3,477	3,535	+0.3	-0.7	-1.6	3,454	3,530	3,578	3,641	3,485
207	Fats and oils.....	1,122	1,141	1,216	1,107	-1.7	-6.2	+9.8	1,040	1,083	1,197	1,137	1,501
203-6,9	All other foods.....	12,834	12,946	12,879	12,683	-0.9	+0.5	+1.5	11,653	11,962	12,080	12,176	11,649
21	Tobacco products.....	3,271	3,426	3,470	3,530	-4.5	-1.3	-1.7	3,088	3,344	3,526	3,615	3,360
22	Textile mill products.....	6,720	6,747	6,876	6,932	-0.4	-1.9	-0.8	6,808	6,968	7,005	7,043	7,385
26	Paper and allied products.....	9,655	9,690	9,782	9,942	-0.4	-0.9	-1.6	9,822	9,919	9,982	9,988	9,412
261-3,6	Pulp, paper etc.....	3,779	3,723	3,742	3,814	+1.5	-0.5	-1.9	3,814	3,789	3,784	3,824	3,425
265	Paperboard containers.....	2,418	2,478	2,565	2,680	-2.4	-3.4	-4.3	2,478	2,528	2,613	2,680	2,561
264	All other paper products.....	3,458	3,489	3,475	3,448	-0.9	+0.4	+0.8	3,530	3,602	3,585	3,484	3,426
28	Chemicals and allied products.....	22,112	21,499	21,364	21,420	+2.9	+0.6	-0.3	21,929	21,682	21,677	21,633	21,337
281,6	Industrial chemicals, except pigments.....	6,645	6,601	6,527	6,581	+0.7	+1.1	-0.8	6,632	6,667	6,599	6,601	6,848
283,4	Drugs, soaps, and toiletries....	6,920	6,854	6,777	6,756	+1.0	+1.1	+0.3	7,024	7,032	6,893	6,750	6,651
29	Petroleum and coal products.....	7,927	8,183	7,973	8,042	-3.1	+2.6	-0.9	7,812	8,066	7,907	7,862	8,732
30	Rubber and plastics products.....	6,140	6,055	6,044	6,069	+1.4	+0.2	-0.4	6,272	6,239	6,310	6,224	6,270
23,27, 31	All other nondurable goods.....	16,232	16,272	16,544	16,501	-0.2	-1.6	+0.3	17,119	16,847	16,726	16,335	17,078
	Market categories:												
	Home goods and apparel.....	22,397	22,340	22,797	22,685	+0.3	-2.0	+0.5	23,388	23,280	23,132	22,618	23,375
	Consumer staples.....	34,098	34,247	34,234	34,209	-0.4	0.0	+0.1	32,975	33,615	33,920	33,978	32,536
	Equipment and defense products, except automotive.....	85,864	85,586	85,377	84,844	+0.3	+0.2	+0.6	86,103	86,453	86,025	85,186	78,345
	Automotive equipment.....	13,505	13,449	13,689	13,606	+0.4	-1.8	+0.6	13,107	13,339	13,700	13,828	12,223
	Construction materials, supplies and intermediate products.....	19,418	19,336	19,352	19,563	+0.4	-0.1	-1.1	19,599	19,547	19,606	19,911	19,804
	Other materials, supplies, and intermediate products.....	110,677	109,942	110,600	111,264	+0.7	-0.6	-0.6	111,180	111,166	111,712	111,392	111,281
	Supplementary series:[2]												
	Capital goods industries.....	98,236	97,467	97,299	96,629	+0.8	+0.2	+0.7	98,621	98,560	97,937	96,811	89,356
	Nondefense.....	73,491	73,505	73,293	73,140	0.0	+0.3	+0.2	73,538	74,185	73,764	73,005	69,031
	Defense.....	24,745	23,962	24,006	23,489	+3.3	-0.2	+2.2	25,083	24,375	24,173	23,806	20,326
	Household durable goods industries.....	11,457	11,487	11,703	11,694	-0.3	-1.8	+0.1	11,768	11,863	11,883	11,696	11,062

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		June 1985p	May 1985r	Apr. 1985	Mar. 1985	May-Junep	Apr.-Mayr	Mar.-Apr.	June 1985p	May 1985r	Apr. 1985	Mar. 1985	June 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	91,343	90,800	92,037	91,845	+0.6	-1.3	+0.2	90,977	91,008	92,316	92,091	91,461
	Durable goods industries.....	54,884	54,693	55,638	55,445	+0.3	-1.7	+0.3	54,684	54,646	55,454	55,236	54,243
32	Stone, clay, and glass products...	1,879	1,870	1,857	1,834	+0.5	+0.7	+1.3	1,873	1,860	1,857	1,837	1,917
33	Primary metals.....	5,666	5,744	5,742	5,739	-1.4	0.0	+0.1	5,574	5,607	5,555	5,622	6,557
34	Fabricated metal products.....	7,250	7,180	7,360	7,326	+1.0	-2.4	+0.5	7,263	7,229	7,433	7,407	7,342
35	Machinery, except electrical.....	11,926	11,711	11,900	11,872	+1.8	-1.6	+0.2	11,957	11,837	11,957	11,814	11,210
36	Electrical Machinery.....	8,371	8,550	8,657	8,872	-2.1	-1.2	-2.4	8,425	8,600	8,748	8,797	8,308
37	Transportation equipment.....	11,448	11,270	11,612	11,323	+1.6	-2.9	+2.6	11,412	11,295	11,564	11,392	10,851
38	Instruments and related products..	2,779	2,770	2,771	2,759	+0.3	0.0	+0.4	2,791	2,773	2,783	2,753	2,809
24,25, 39	All other durable goods.....	5,565	5,598	5,739	5,720	-0.6	-2.5	+0.3	5,389	5,445	5,557	5,614	5,249
	Nondurable goods industries.....	36,459	36,107	36,399	36,400	+1.0	-0.8	0.0	36,293	36,362	36,862	36,855	37,218
20	Food and kindred products.....	7,815	7,526	7,609	7,570	+3.8	-1.1	+0.5	7,504	7,483	7,731	7,775	7,883
21	Tobacco products.....	2,794	2,931	2,918	3,048	-4.7	+0.4	-4.3	2,689	2,891	3,000	3,126	2,932
22	Textile mill products.....	2,037	2,090	2,127	2,148	-2.5	-1.7	-1.0	2,077	2,158	2,163	2,201	2,367
26	Paper and allied products.....	4,698	4,811	4,818	4,874	-2.3	-0.1	-1.1	4,738	4,814	4,856	4,883	4,926
28	Chemicals and allied products.....	8,440	8,158	8,242	8,101	+3.5	-1.0	+1.7	8,360	8,234	8,316	8,185	8,145
29	Petroleum and coal products.....	1,971	1,984	1,984	1,968	-0.7	0.0	+0.8	2,024	2,116	2,044	1,969	2,217
30	Rubber and plastics products.....	2,123	2,047	2,037	2,026	+3.7	+0.5	+0.5	2,144	2,067	2,071	2,018	2,202
23,27, 31	All other nondurable goods.....	6,581	6,560	6,664	6,665	+0.3	-1.6	0.0	6,757	6,599	6,681	6,698	6,546
	WORK IN PROCESS												
	All manufacturing industries..	104,764	103,972	103,888	104,208	+0.8	+0.1	-0.3	104,598	104,861	104,702	104,601	98,841
	Durable goods industries.....	90,362	89,654	89,537	89,684	+0.8	+0.1	-0.2	90,282	90,373	90,188	90,133	83,769
32	Stone, clay, and glass products...	813	791	800	796	+2.8	-1.1	+0.5	833	821	835	835	794
33	Primary metals.....	7,738	7,703	7,869	8,085	+0.5	-2.1	-2.7	7,698	7,797	7,920	8,009	8,300
34	Fabricated metal products.....	6,614	6,699	6,751	6,876	-1.3	-0.8	-1.8	6,839	6,879	6,891	6,999	6,739
35	Machinery, except electrical.....	16,194	16,321	16,566	16,739	-0.8	-1.5	-1.0	16,155	16,480	16,680	16,725	16,046
36	Electrical Machinery.....	19,064	18,706	18,436	18,192	+1.9	+1.5	+1.3	19,205	18,945	18,555	18,255	16,244
37	Transportation equipment.....	32,164	31,635	31,284	31,236	+1.7	+1.1	+0.2	31,677	31,578	31,405	31,520	28,037
38	Instruments and related products..	4,164	4,160	4,191	4,156	+0.1	-0.7	+0.8	4,253	4,206	4,246	4,171	4,032
24,25, 39	All other durable goods.....	3,611	3,639	3,640	3,604	-0.8	0.0	+1.0	3,622	3,667	3,656	3,619	3,577
	Nondurable goods industries.....	14,402	14,318	14,351	14,524	+0.6	-0.2	-1.2	14,316	14,488	14,514	14,468	15,072
20	Food and kindred products.....	1,625	1,653	1,664	1,687	-1.7	-0.7	-1.4	1,596	1,652	1,667	1,714	1,702
21	Tobacco products.....	254	234	252	187	+8.5	-7.1	+34.8	161	183	195	174	171
22	Textile mill products.....	1,959	1,954	1,961	1,972	+0.3	-0.4	-0.6	1,923	1,965	1,979	1,991	2,114
26	Paper and allied products.....	1,136	1,141	1,136	1,178	-0.4	+0.4	-3.6	1,161	1,156	1,134	1,165	1,111
28	Chemicals and allied products.....	3,623	3,539	3,538	3,509	+2.4	0.0	+0.8	3,625	3,604	3,566	3,517	3,705
29	Petroleum and coal products.....	1,288	1,283	1,262	1,290	+0.4	+1.7	-2.2	1,312	1,332	1,322	1,284	1,616
30	Rubber and plastics products.....	1,171	1,178	1,131	1,183	-0.6	+4.2	-4.4	1,161	1,156	1,155	1,174	1,212
23,27, 31	All other nondurable goods.....	3,346	3,336	3,407	3,518	+0.3	-2.1	-3.2	3,377	3,440	3,496	3,449	3,441
	FINISHED GOODS												
	All manufacturing industries..	89,852	90,128	90,124	90,118	-0.3	0.0	0.0	90,777	91,531	91,077	90,221	87,262
	Durable goods industries.....	47,228	47,199	47,300	47,226	+0.1	-0.2	+0.2	48,345	48,673	48,349	47,788	45,252
32	Stone, clay, and glass products...	3,333	3,219	3,263	3,328	+3.5	-1.3	-2.0	3,399	3,371	3,393	3,427	3,221
33	Primary metals.....	5,714	5,636	5,686	5,734	+1.4	-0.9	-0.8	5,815	5,846	5,910	5,858	6,090
34	Fabricated metal products.....	4,877	4,925	4,982	5,008	-1.0	-1.1	-0.5	5,087	5,097	5,116	5,078	4,814
35	Machinery, except electrical.....	13,049	13,241	13,143	12,891	-1.5	+0.7	+2.0	13,278	13,489	13,233	12,905	11,495
36	Electrical Machinery.....	6,789	6,701	6,651	6,550	+1.3	+0.8	+1.5	7,016	6,982	6,821	6,626	6,155
37	Transportation equipment..... ..	5,031	5,155	5,195	5,149	-2.4	-0.8	+0.9	5,035	5,213	5,225	5,170	4,927
38	Instruments and related products..	2,761	2,754	2,747	2,799	+0.3	+0.3	-1.9	2,837	2,868	2,808	2,765	2,713
24,25, 39	All other durable goods.....	5,674	5,568	5,633	5,767	+1.9	-1.2	-2.3	5,878	5,807	5,843	5,959	5,837
	Nondurable goods industries.....	42,624	42,929	42,824	42,892	-0.7	+0.2	-0.2	42,432	42,858	42,728	42,433	42,010
20	Food and kindred products.....	11,988	12,303	12,248	12,123	-2.6	+0.4	+1.0	11,091	11,528	11,573	11,567	11,141
21	Tobacco products.....	223	261	300	295	-14.6	-13.0	+1.7	238	270	331	315	257
22	Textile mill products.....	2,724	2,703	2,788	2,812	+0.8	-3.0	-0.9	2,808	2,825	2,863	2,851	2,904
26	Paper and allied products.....	3,821	3,738	3,828	3,890	+2.2	-2.4	-1.6	3,923	3,949	3,992	3,940	3,375
28	Chemicals and allied products.....	10,049	9,802	9,584	9,810	+2.5	+2.3	-2.3	9,944	9,844	9,795	9,931	9,487
29	Petroleum and coal products.....	4,668	4,916	4,727	4,784	-5.0	+4.0	-1.2	4,476	4,618	4,541	4,609	4,899
30	Rubber and plastics products.....	2,846	2,830	2,876	2,860	+0.6	-1.6	+0.6	2,967	3,016	3,084	3,032	2,856
23,27, 31	All other nondurable goods.....	6,305	6,376	6,473	6,318	-1.1	-1.5	+2.5	6,985	6,808	6,549	6,188	7,091

pPreliminary. rRevised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		June 1985p	May 1985r	Apr. 1985r	Mar. 1985	June 1985p	May 1985r	Apr. 1985r	Mar. 1985
	All manufacturing industries	1.47	1.46	1.48	1.47	3.38	3.38	3.40	3.40
	Durable goods industries	1.87	1.86	1.89	1.88	4.10	4.12	4.12	4.14
32	Stone, clay, and glass products	1.26	1.22	1.20	1.28	0.58	0.56	0.56	0.60
33	Primary metals	1.83	1.80	1.82	1.95	1.88	1.85	1.85	1.89
34	Fabricated metal products	1.35	1.35	1.41	1.43	1.58	1.61	1.68	1.70
35	Machinery, except electrical	2.30	2.28	2.30	2.26	3.61	3.61	3.64	3.66
36	Electrical machinery	2.18	2.29	2.31	2.16	5.23	5.51	5.58	5.25
37	Transportation equipment	1.99	1.91	1.90	1.90	10.75	10.78	10.27	10.42
38	Instruments and related products	2.02	2.04	2.07	2.07	1.79	1.80	1.80	1.79
	Nondurable goods industries	1.02	1.02	1.02	1.02	0.48	0.47	0.48	0.48
20	Food and kindred products	0.88	0.86	0.87	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	1.59	1.87	2.36	1.88	(X)	(X)	(X)	(X)
22	Textile mill products	1.53	1.57	1.60	1.61	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.17	1.18	1.22	1.24	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.24	1.23	1.19	1.22	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.49	0.50	0.47	0.49	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.56	1.48	1.49	1.48	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1984	All Junes 1980-1984	June 1984-May 1985	Year ago June 1984	All Junes 1980-1984	June 1984-May 1985	Year ago June 1984	All Junes 1980-1984	June 1984-May 1985	Year ago June 1984	All Junes 1980-1984	June 1984-May 1985
	All manufacturing industries.	0.0	0.4	0.2	0.2	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.2	0.4	0.5	0.6	0.6	0.6	0.2	0.2	0.2	0.1	0.2	0.1
32	Stone, clay, and glass products..	0.5	1.2	0.7	0.1	1.4	1.2	1.2	2.3	1.4	0.1	0.3	0.5
33	Primary metals	0.2	0.6	0.6	4.5	2.0	1.4	2.3	0.7	0.6	0.1	0.2	0.2
34	Fabricated metal products	0.2	0.3	1.1	0.3	1.0	1.0	0.3	0.3	0.2	0.1	0.1	0.3
35	Machinery, except electrical	0.6	1.5	0.7	0.1	2.3	0.8	0.2	0.3	0.2	0.0	0.3	0.1
36	Electrical machinery	0.4	0.5	1.2	0.4	0.6	1.2	0.0	0.1	0.3	0.1	0.2	0.2
37	Transportation equipment	0.3	0.7	0.6	0.0	1.7	0.7	0.0	0.1	0.1	0.6	0.3	0.2
38	Instruments and related products.	0.2	0.7	0.8	2.3	1.5	1.8	1.6	0.8	0.7	0.1	0.4	0.2
	Nondurable goods industries	0.3	0.6	0.2	0.3	0.5	0.2	0.2	0.5	0.3	0.0	0.1	0.2
20	Food and kindred products	0.3	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.4
21	Tobacco products	0.0	1.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.3
22	Textile mill products	1.3	0.8	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.4	0.4
26	Paper and allied products	0.4	0.7	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.3
28	Chemicals and allied product	2.3	1.9	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1	0.3
29	Petroleum and coal products	0.5	0.8	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.6	0.4
30	Rubber and plastics products	1.1	1.5	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.7	0.4
	Capital Goods Industries:												
	Nondefense	0.5	1.1	1.1	0.2	1.2	1.1	0.1	0.2	0.1	0.0	0.1	0.1
	Defense	1.1	0.8	1.2	1.0	3.1	3.6	0.1	0.2	0.2	1.1	0.6	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.1581
M3-1(85)-7

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

July 1985
M3-1(85)-7
For Wire Transmission 10:00a.m. E.D.T. Friday, August 30

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in July decreased $2.6 billion or 1.3 percent to $195.6 billion, following a 1.7 percent increase in June and a 2.1 percent increase in May. A decline in defense orders accounted for about half of the decrease; excluding defense, manufacturers' new orders were down 0.6 percent.

Shipments of manufactured goods for July were $193.8 billion, showing virtually no change since March, when they reached $194.3 billion. Both the durable and nondurable goods sectors reflected the flatness. Durable goods shipments were $102.5 billion in July with an average of $102.4 billion per month since March; nondurable goods were $91.3 billion in July, with an average of $91.5 billion per month since March.

Manufacturers' unfilled orders in July increased $1.9 billion or 0.5 percent to $361.4 billion, following a 1.2 percent increase in June. Defense capital goods contributed significantly to both months' increases; excluding defense, unfilled orders in June increased 0.2 percent and in July decreased 0.4 percent.

Manufacturers' inventories in July decreased $0.5 billion or 0.2 percent to $285.2 billion, nearly offsetting the 0.3 percent increase in the prior month. Inventories have shown virtually no change since last October when they reached $285.6 billion, following a year of steady increases. The inventory to shipments ratio for July was 1.47, the same as June.

NEW ORDERS. New orders for durable goods in July were down $2.4 billion or 2.3 percent to $104.4 billion. About two-thirds of that decline came in transportation equipment, which declined $1.6 billion or 5.6 percent to $26.7 billion; aircraft and parts decreased $1.2 billion following a $2.6 billion increase in June. Both electrical and nonelectrical machinery were down, offsetting most of the increases shown last month; nonelectrical was down $0.2 billion or 1.2 percent in July to $17.6 billion, following a 2.8 percent increase in June; electrical was down in July $1.2 billion or 7.7 percent to $15.0 billion, following an 8.4 percent increase in June. Primary metals were also down in July, declining $0.2 billion or 1.5 percent to $10.6 billion. New orders for the nondurable goods sector showed a slight decline, down $0.2 billion or 0.2 percent to $91.3 billion.

SHIPMENTS. The small decline in durable goods shipments of 0.2 percent resulted from offsetting increases and decreases in the major industries. The largest increase was in transportation equipment, up $0.7 billion or 2.7 percent to $25.0 billion, with most of the increase in the automotive industry. Fabricated metals products were up $0.5 billion or 4.0 percent to $14.4 billion. The largest declines were in the machinery categories; electrical was down $0.7 billion or 4.4 percent to $15.0 billion, and nonelectrical was down $0.7 billion or 3.6 percent to $17.3 billion.

Within nondurable goods, increases in food products, chemicals and textiles offset declines in tobacco products, apparel and petroleum. The food products industry shipments were $24.7 billion in July and account for about one-fourth of all nondurable goods shipments; foods have shown little change since the end of 1983, averaging $24.7 billion per month.

UNFILLED ORDERS. The unfilled orders increase of $1.9 billion was caused mostly by an increase in defense aircraft and parts. Small increases in nonelectrical machinery, shipbuilding, steel, and instruments were offset by small decreases in the rest of the industries.

Within the capital goods industries, unfilled orders for nondefense declined $0.3 billion or 0.2 percent to $132.3 billion; a post recession high was reached in September 1984 at $137.1 billion, with declines occurring 8 of the 10 months since then. Defense unfilled orders continued to increase; the July increase was $2.8 billion or 2.0 percent to $140.8 billion. Defense backlog now accounts for 40 percent of the total backlog held by durable goods manufacturers.

INVENTORIES. Inventories in the durable goods industries showed virtually no change for the month with most of the industries showing increases of 1.0 percent or less. Inventories of defense capital goods manufacturers increased $0.6 billion or 2.2 percent to $25.3 billion; excluding defense, durable goods inventories declined 0.4 percent.

Nondurable goods inventories declined $0.7 billion or 0.7 percent to $92.8 billion, the largest declines being in petroleum products, chemicals and paper products.

SCHEDULED RELEASE DATES. The advance report on durable goods for August is scheduled for release on September 24, 1985 at 8:30 A.M. and the full report on October 2, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/227–1927) or (800/982–5838 in California) and the Glimpse Corporation (703/836–6800). Further information about accessing CENDATA can be obtained from these companies. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1985p	June 1985r	May 1985	Apr. 1985	June-Julyp	May-Jun er	Apr.-May	July 1985p	June 1985r	May 1985	Apr. 1985	1985p	1984
	All manufacturing industries	193,793	193,871	194,638	193,509	0.0	-0.4	+0.6	179,521	207,055	197,375	194,611	1,350,825	1,310,938
	Manufacturing industries with unfilled orders	105,874	106,043	104,922	104,350	-0.2	+1.1	+0.5	96,641	113,445	106,055	104,651	729,398	686,943
	Durable goods industries	102,492	102,657	102,718	102,068	-0.2	-0.1	+0.6	92,763	112,012	105,450	103,923	716,893	677,632
	With unfilled orders	84,769	84,943	83,807	83,755	-0.2	+1.4	+0.1	76,983	92,021	85,043	84,138	584,839	546,914
32	Stone, clay, and glass products	4,819	4,753	4,822	4,933	+1.4	-1.4	-2.3	4,764	5,231	4,984	4,994	33,104	31,343
322	Glass containers	418	379	397	411	+10.3	-4.5	-3.4	415	423	416	418	2,817	2,731
33	Primary metals	10,639	10,481	10,579	10,586	+1.5	-0.9	-0.1	9,685	11,236	11,015	11,106	74,910	79,190
331	Blast furnaces, steel mills	4,434	4,377	4,478	4,413	+1.3	-2.3	+1.5	4,044	4,749	4,603	4,647	31,386	32,848
333-9	Nonferrous and other primary metals	4,926	4,924	4,908	4,946	0.0	+0.3	-0.8	4,527	5,180	5,094	5,154	34,815	37,492
34	Fabricated metal products	14,403	13,854	13,975	13,548	+4.0	-0.9	+3.2	13,458	14,982	14,391	13,751	95,679	78,122
341	Metal cans, barrels, and drums	1,031	957	999	947	+7.7	-4.2	+5.5	1,124	1,084	1,035	929	6,771	6,467
35	Machinery, except electrical	17,323	17,979	18,067	18,117	-3.6	-0.5	-0.3	15,634	19,867	18,149	17,769	123,242	119,296
351	Engines and turbines	1,240	1,326	1,188	1,180	-6.5	+11.6	+0.7	1,101	1,471	1,218	1,223	8,840	8,823
352	Farm machinery and equipment	840	817	943	950	+2.8	-13.4	-0.7	678	899	1,065	1,063	6,177	6,510
353	Construction, mining, and material handling equipment	2,925	2,737	2,828	2,996	+6.9	-3.2	-5.6	2,872	2,992	2,904	2,942	19,645	18,959
354	Metalworking machinery	895	908	849	791	-1.4	+6.9	+7.3	786	953	828	778	5,885	5,576
356	General industrial machinery	1,283	1,414	1,328	1,522	-9.3	+6.5	-12.7	1,188	1,458	1,347	1,463	9,611	9,614
357	Office and computing machines	4,308	5,017	4,838	4,768	-14.1	+3.7	+1.5	3,593	5,669	4,460	4,177	30,730	28,718
36	Electrical machinery	14,974	15,669	14,801	14,589	-4.4	+5.9	+1.5	13,551	16,844	14,796	14,612	105,000	103,258
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,056	2,166	2,015	1,972	-5.1	+7.5	+2.2	1,792	2,328	2,008	1,980	14,121	14,134
363	Household appliances	1,338	1,494	1,425	1,340	-10.4	+4.8	+6.3	1,325	1,642	1,441	1,351	9,893	10,181
365	Radio and TV	902	843	859	941	+7.0	-1.9	-8.7	816	978	787	833	6,127	5,713
366	Communication equipment	4,831	5,229	4,911	4,751	-7.6	+6.5	+3.4	4,379	5,657	4,961	4,855	34,767	30,710
367	Electronic components	3,184	3,315	3,163	3,193	-4.0	+4.8	-0.9	2,888	3,517	3,236	3,318	23,199	25,684
37	Transportation equipment	24,989	24,335	25,175	25,317	+2.7	-3.3	-0.6	21,470	27,268	26,747	26,630	180,802	166,589
371	Motor vehicles and parts	15,842	15,291	16,673	16,475	+3.6	-8.3	+1.2	13,118	17,499	18,224	17,749	119,624	112,912
372,6	Aircraft, missiles, and parts	7,617	7,367	6,823	7,178	+3.4	+8.0	-4.9	6,921	8,006	6,777	7,105	49,381	41,943
3731,95	Shipbuilding and military tank vehicles	773	857	845	842	-9.8	+1.4	+0.4	754	895	852	806	5,814	5,921
38	Instruments and related products	4,841	4,896	4,747	4,699	-1.1	+3.1	+1.0	4,442	5,252	4,670	4,529	32,583	30,341
381-4	Scientific and engineering instruments	3,155	3,308	3,102	3,066	-4.6	+6.6	+1.2	2,843	3,506	3,031	2,965	21,467	18,685
386	Photographic goods	1,499	1,393	1,439	1,441	+7.6	-3.2	-0.1	1,420	1,537	1,425	1,366	9,776	10,257
24,25, 39	All other durable goods	10,504	10,690	10,552	10,279	-1.7	+1.3	+2.7	9,759	11,332	10,698	10,532	71,573	69,490
	Nondurable goods industries	91,301	91,214	91,920	91,441	+0.1	-0.8	+0.5	86,758	95,043	91,925	90,688	633,932	633,306
	With unfilled orders	21,105	21,100	21,115	20,595	0.0	-0.1	+2.5	19,658	21,424	21,012	20,513	144,559	140,030
20	Food and kindred products	24,717	24,139	25,101	24,603	+2.4	-3.8	+2.0	23,419	25,276	25,030	23,980	171,430	170,101
201	Meat products	5,825	5,675	5,655	5,549	+2.6	+0.4	+1.9	5,627	5,794	5,734	5,349	39,434	40,325
208	Beverages	3,726	3,634	3,788	3,803	+2.5	-4.1	-0.4	3,994	4,179	4,057	3,978	26,417	25,420
207	Fats and oils	1,132	1,183	1,306	1,181	-4.3	-9.4	+10.6	1,080	1,201	1,292	1,132	8,118	9,598
203-6,9	All other foods	10,786	10,480	11,046	10,803	+2.9	-5.1	+2.2	9,470	10,773	10,582	10,263	74,728	72,498
21	Tobacco products	1,465	2,006	1,836	1,468	-27.0	+9.3	+25.1	1,349	2,199	1,772	1,442	11,292	9,414
22	Textile mill products	4,423	4,248	4,287	4,299	+4.1	-0.9	-0.3	3,783	4,651	4,360	4,266	29,710	32,420
26	Paper and allied products	8,094	8,131	8,190	8,029	-0.5	-0.7	+2.0	7,662	8,491	8,224	8,099	57,070	55,877
261-3,6	Pulp, paper etc.	3,478	3,369	3,436	3,534	+3.2	-1.9	-2.8	3,259	3,544	3,515	3,605	24,554	24,327
265	Paperboard containers	1,729	1,781	1,844	1,883	-2.9	-3.4	-2.1	1,639	1,856	1,844	1,889	12,812	12,522
264	All other paper products	2,887	2,981	2,910	2,612	-3.2	+2.4	+11.4	2,764	3,091	2,865	2,605	19,704	19,028
28	Chemicals and allied products	18,230	17,982	17,456	17,955	+1.4	+3.0	-2.8	16,727	19,194	18,211	18,702	126,975	125,012
281,6	Industrial chemicals, except pigments	5,981	6,116	5,953	5,807	-2.2	+2.7	+2.5	5,622	6,483	6,048	6,039	42,174	40,209
283,4	Drugs, soaps, and toiletries	4,676	4,934	4,453	4,412	-5.2	+10.8	+0.9	4,227	5,269	4,213	4,082	31,695	30,420
29	Petroleum and coal products	16,096	16,308	16,418	16,816	-1.3	-0.7	-2.4	16,149	16,812	16,342	16,397	111,607	116,658
30	Rubber and plastics products	3,992	3,903	4,103	4,049	+2.3	-4.9	+1.3	3,843	4,208	4,098	4,110	28,415	30,553
23,27, 31	All other nondurable goods	14,284	14,497	14,529	14,222	-1.5	-0.2	+2.2	13,826	14,212	13,888	13,692	97,433	93,270
	Market categories:													
	Home goods and apparel	13,022	13,173	13,214	13,114	-1.1	-0.3	+0.8	12,088	13,667	12,582	12,564	88,813	89,119
	Consumer staples	34,495	34,802	34,923	33,979	-0.9	-0.3	+2.8	32,590	36,390	34,532	33,181	238,854	230,162
	Equipment and defense products, except automotive	29,832	31,123	29,843	30,170	-4.1	+4.3	-1.1	26,990	33,871	29,699	29,521	206,696	188,811
	Automotive equipment	17,630	17,190	18,600	18,413	+2.6	-7.6	+1.0	14,869	19,587	20,285	19,951	133,441	127,526
	Construction materials, supplies and intermediate products	17,556	17,488	17,396	17,014	+0.4	+0.5	+2.2	17,406	19,158	18,014	17,279	118,021	100,108
	Other materials, supplies, and intermediate products	81,258	80,095	80,662	80,819	+1.5	-0.7	-0.2	75,578	84,382	82,263	82,115	565,000	575,210
	Supplemetory series:[2]													
	Capital goods industries	33,623	34,703	33,393	33,454	-3.1	+3.9	-0.2	30,439	37,752	33,169	32,738	231,700	216,120
	Nondefense	26,774	27,482	26,809	27,102	-2.6	+2.5	-1.1	24,114	30,218	26,565	26,401	185,520	175,804
	Defense	6,849	7,221	6,584	6,352	-5.2	+9.7	+3.7	6,325	7,534	6,604	6,337	46,180	40,313
	Household durable goods industries	6,466	6,608	6,574	6,443	-2.1	+0.5	+2.0	5,702	6,958	6,407	6,348	44,075	41,950

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1985P	June 1985r	May 1985	Apr. 1985	June-July P	May-June r	Apr.-May	July 1985P	June 1985r	May 1985	Apr. 1985	1985P	1984
	All manufacturing industries	195,647	198,261	195,019	191,081	-1.3	+1.7	+2.1	178,929	208,112	195,193	192,564	1,357,895	1,341,389
	Manufacturing industries with unfilled orders	107,728	110,433	105,303	101,922	-2.4	+4.9	+3.3	96,049	114,502	103,873	102,604	736,467	717,398
	Durable goods industries	104,355	106,780	102,971	99,839	-2.3	+3.7	+3.1	92,087	112,968	103,166	101,914	723,499	707,637
	With unfilled orders	86,632	89,066	84,060	81,526	-2.7	+6.0	+3.1	76,307	92,977	82,759	82,129	591,445	576,913
32	Stone, clay, and glass products	4,811	4,773	4,760	4,917	+0.8	+0.3	-3.2	4,777	5,216	4,969	4,992	33,291	31,840
33	Primary metals	10,578	10,736	10,559	11,169	-1.5	+1.7	-5.5	9,467	10,860	10,560	11,239	75,840	79,345
331	Blast furnaces, steel mills	4,534	4,344	4,215	4,734	+4.4	+3.1	-11.0	4,042	4,265	4,108	4,646	31,824	32,124
333-9	Nonferrous and other primary metals	4,807	5,229	5,013	5,101	-8.1	+4.3	-1.7	4,281	5,364	5,060	5,218	35,041	37,632
34	Fabricated metal products	14,245	13,426	13,593	13,457	+6.1	-1.2	+1.0	13,249	14,691	14,094	13,506	95,052	78,967
35	Machinery, except electrical	17,615	17,822	17,332	17,002	-1.2	+2.8	+1.9	15,177	19,421	17,534	16,948	123,946	124,979
351	Engines and turbines	1,330	1,476	983	1,094	-9.9	+50.2	-10.1	1,255	1,431	1,113	1,051	8,199	9,245
353	Construction, mining, and material handling equipment	3,063	2,756	2,724	3,014	+11.1	+1.2	-9.6	3,034	2,964	2,799	2,907	19,830	19,575
354	Metalworking machinery	1,044	992	898	921	+5.2	+10.5	-2.5	979	1,079	889	902	6,733	6,425
356	General industrial machinery	1,271	1,479	1,332	1,448	-14.1	+11.0	-8.0	1,171	1,483	1,342	1,402	9,552	9,759
357	Office and computing machines	4,181	4,712	4,577	3,621	-11.3	+2.9	+26.4	2,806	5,525	4,432	3,491	31,741	31,191
36	Electrical machinery	14,952	16,200	14,947	14,378	-7.7	+8.4	+4.0	13,011	16,502	15,113	14,115	108,782	113,363
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,089	1,955	2,007	1,922	+6.9	-2.6	+4.4	1,824	2,046	1,956	1,961	13,988	14,151
363	Household appliances	1,349	1,509	1,431	1,355	-10.6	+5.5	+5.6	1,345	1,647	1,464	1,374	9,966	10,292
365	Radio and TV	856	687	973	895	+24.6	-29.4	+8.7	775	910	1,112	653	6,202	5,973
366	Communication equipment	5,008	6,675	5,502	5,266	-25.0	+21.3	+4.5	3,972	6,491	5,386	4,900	40,779	35,485
367	Electronic components	2,969	2,805	2,588	2,505	+5.8	+8.4	+3.3	2,703	2,743	2,820	2,911	20,972	30,531
37	Transportation equipment	26,719	28,300	26,416	23,975	-5.6	+7.1	+10.2	21,953	29,760	25,315	25,790	180,866	176,694
372,6	Aircraft, missiles, and parts	9,350	10,573	8,002	6,433	-11.6	+32.1	+24.4	7,453	10,411	5,771	6,965	51,437	53,210
3731,95	Shipbuilding and military tank vehicles	1,093	1,409	1,035	393	-22.4	+36.1	+163.4	808	943	783	405	4,450	4,673
38	Instruments and related products	5,075	4,868	4,827	4,782	+4.3	+0.8	+0.9	4,662	5,318	4,691	4,605	33,105	30,894
24,25, 39	All other durable goods	10,360	10,655	10,537	10,159	-2.8	+1.1	+3.7	9,791	11,200	10,890	10,719	72,617	71,555
	Nondurable goods industries	91,292	91,481	92,048	91,242	-0.2	-0.6	+0.9	86,842	95,144	92,027	90,650	634,396	633,752
	With unfilled orders	21,096	21,367	21,243	20,396	-1.3	+0.6	+4.2	19,742	21,525	21,114	20,475	145,022	140,485
	Market categories:													
	Home goods and apparel	13,033	13,210	13,118	12,843	-1.3	+0.7	+2.1	12,288	13,661	12,863	12,528	90,109	91,214
	Consumer staples	34,490	34,770	34,943	33,988	-0.8	-0.5	+2.8	32,611	36,353	34,522	33,165	238,852	230,094
	Equipment and defense products, except automotive	31,795	33,946	30,738	29,299	-6.3	+10.4	+4.9	26,235	34,805	28,926	28,518	212,101	206,257
	Automotive equipment	17,337	17,438	18,461	18,247	-0.6	-5.5	+1.2	14,775	19,668	19,925	19,643	132,860	127,398
	Construction materials, supplies and intermediate products	17,450	17,324	17,200	17,036	+0.7	+0.7	+1.0	17,287	19,005	17,888	17,272	118,219	100,637
	Other materials, supplies, and intermediate products	81,542	81,573	80,559	79,668	0.0	+1.3	+1.1	75,733	84,620	81,069	81,438	565,754	585,787
	Supplementary series:[2]													
	Capital goods industries	36,143	39,222	34,367	31,591	-7.9	+14.1	+8.8	30,142	40,096	31,672	31,336	238,593	237,090
	Nondefense	26,473	27,984	25,594	25,461	-5.4	+9.3	+0.5	23,275	30,297	25,122	24,998	184,751	189,300
	Defense	9,670	11,238	8,773	6,130	-14.0	+28.1	+43.1	6,867	9,799	6,550	6,338	53,842	47,790
	Household durable goods industries	6,423	6,616	6,453	6,195	-2.9	+2.5	+4.2	5,829	6,933	6,640	6,281	45,158	43,938

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are, as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1985p	June 1985r	May 1985	Apr. 1985	June-Julyp	May-Juner	Apr.-May	July 1985p	June 1985r	May 1985	Apr. 1985	July 1984
	All manufacturing industries..	361,356	359,502	355,112	354,731	+0.5	+1.2	+0.1	360,010	360,602	359,545	361,728	358,699
	Durable goods industries.....	351,113	349,250	345,127	344,874	+0.5	+1.2	+0.1	349,633	350,309	349,353	351,638	347,720
32	Stone, clay, and glass products...	2,497	2,505	2,485	2,547	-0.3	+0.8	-2.4	2,584	2,571	2,586	2,601	2,441
33	Primary metals.....	19,750	19,811	19,556	19,576	-0.3	+1.3	-0.1	19,434	19,652	20,028	20,483	20,464
331	Blast furnaces, steel mills.....	9,095	8,995	9,028	9,291	+1.1	-0.4	-2.8	8,840	8,842	9,326	9,821	8,966
333-9	Nonferrous and other primary metals.....	7,409	7,528	7,223	7,118	-1.6	+4.2	+1.5	7,342	7,588	7,404	7,438	8,212
34	Fabricated metal products.....	20,254	20,412	20,840	21,222	-0.8	-2.1	-1.8	20,554	20,763	21,054	21,351	20,966
35	Machinery, except electrical.....	61,949	61,657	61,814	62,547	+0.5	-0.3	-1.2	61,676	62,133	62,579	63,194	63,817
351	Engines and turbines.....	14,676	14,586	14,436	14,641	+0.6	+1.0	-1.4	14,521	14,367	14,407	14,512	15,143
353	Construction, mining, and material handling equipment....	6,053	5,915	5,896	6,000	+2.3	+0.3	-1.7	6,077	5,915	5,943	6,048	6,284
354	Metalworking machinery.....	4,464	4,315	4,231	4,182	+3.5	+2.0	+1.2	4,491	4,298	4,172	4,111	3,223
356	General industrial machinery....	4,602	4,614	4,549	4,545	-0.3	+1.4	+0.1	4,602	4,619	4,594	4,599	4,792
357	Office and computing machines...	21,133	21,260	21,565	21,825	-0.6	-1.4	-1.2	21,281	22,068	22,212	22,240	22,619
36	Electrical machinery.....	82,078	82,100	81,569	81,423	0.0	+0.7	+0.2	81,697	82,237	82,579	82,262	79,272
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,066	6,033	6,244	6,252	+0.5	-3.4	-0.1	6,049	6,017	6,299	6,351	6,258
363	Household appliances.....	399	388	373	367	+2.8	+4.0	+1.6	436	416	411	388	572
365	Radio and TV.....	445	491	647	533	-9.4	-24.1	+21.4	510	551	619	294	656
366	Communication equipment.....	57,336	57,159	55,713	55,122	+0.3	+2.6	+1.1	56,581	56,988	56,154	55,729	46,967
367	Electronic components.....	16,390	16,605	17,115	17,690	-1.3	-3.0	-3.3	16,669	16,854	17,628	18,044	23,317
37	Transportation equipment.....	150,123	148,393	144,428	143,189	+1.2	+2.7	+0.9	148,625	148,142	145,650	147,083	145,437
372,6	Aircraft, missiles, and parts...	123,468	121,735	118,529	117,351	+1.4	+2.7	+1.0	122,593	122,061	119,656	120,663	115,595
3731,95	Shipbuilding and military tank vehicles.....	19,982	19,662	19,110	18,920	+1.6	+2.9	+1.0	19,493	19,439	19,391	19,460	21,408
38	Instruments and related products..	8,767	8,533	8,561	8,481	+2.7	-0.3	+0.9	8,836	8,616	8,550	8,529	8,209
24,25, 39	All other durable goods.....	5,695	5,839	5,874	5,889	-2.5	-0.6	-0.3	6,227	6,195	6,327	6,135	7,115
	Nondurable goods industries.....	10,243	10,252	9,985	9,857	-0.1	+2.7	+1.3	10,377	10,293	10,192	10,090	10,979
	Market categories:												
	Home goods and apparel.....	4,504	4,493	4,456	4,552	+0.2	+0.8	-2.1	5,124	4,924	4,930	4,649	6,102
	Consumer staples.....	658	663	695	675	-0.8	-4.6	+3.0	631	610	647	657	634
	Equipment and defense products, except automotive.....	227,500	225,537	222,714	221,820	+0.9	+1.3	+0.4	225,306	226,061	225,127	225,901	214,335
	Automotive equipment.....	6,072	6,365	6,117	6,256	-4.6	+4.1	-2.2	5,908	6,002	5,921	6,281	7,650
	Construction materials, supplies and intermediate products.....	12,155	12,261	12,425	12,621	-0.9	-1.3	-1.6	12,393	12,512	12,665	12,791	12,376
	Other materials, supplies, and intermediate products.....	110,467	110,183	108,705	108,807	+0.3	+1.4	-0.1	110,648	110,493	110,255	111,449	117,602
	Supplementary series:[2]												
	Capital goods industries.....	273,067	270,547	266,028	265,054	+0.9	+1.7	+0.4	270,749	271,046	268,702	270,200	257,876
	Nondefense.....	132,271	132,572	132,070	133,285	-0.2	+0.4	-0.9	132,059	132,898	132,819	134,263	136,593
	Defense.....	140,796	137,975	133,958	131,769	+2.0	+3.0	+1.7	138,690	138,148	135,883	135,937	121,284
	Household durable goods industries.....	3,947	3,990	3,982	4,103	-1.1	+0.2	-2.9	4,514	4,387	4,412	4,179	5,484

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1985P	June 1985r	May 1985	Apr. 1985	June-JulyP	May-Jnerr	Apr.-May	July 1985P	June 1985r	May 1985	Apr. 1985	July 1984
	All manufacturing industries..	285,151	285,678	284,900	286,049	-0.2	+0.3	-0.4	284,960	286,071	287,400	288,095	279,544
	Manufacturing industries with unfilled orders.....	199,990	200,119	199,627	200,549	-0.1	+0.2	-0.5	201,004	201,564	202,110	202,123	193,551
	Durable goods industries.....	192,381	192,239	191,546	192,475	+0.1	+0.4	-0.5	192,603	193,077	193,692	193,991	184,794
	With unfilled orders.....	176,781	176,654	176,015	176,620	+0.1	+0.4	-0.3	177,306	177,538	177,991	177,859	169,771
	Stone, clay, and glass products...	5,968	5,982	5,880	5,920	-0.2	+1.7	-0.7	5,980	6,061	6,052	6,085	5,894
	Glass containers.....	609	611	611	625	-0.3	0.0	-2.2	613	620	629	640	637
	Primary metals.....	18,898	19,100	19,083	19,297	-1.1	+0.1	-1.1	18,917	19,069	19,250	19,385	21,105
	Blast furnaces, steel mills.....	8,481	8,587	8,619	8,717	-1.2	-0.4	-1.1	8,566	8,527	8,576	8,551	9,997
-9	Nonferrous and other primary metals.....	9,163	9,223	9,190	9,260	-0.7	+0.4	-0.8	9,126	9,251	9,355	9,464	9,841
	Fabricated metal products.....	18,637	18,893	18,804	19,093	-1.4	+0.5	-1.5	18,773	19,345	19,205	19,440	18,480
	Metal cans, barrels, and drums..	2,232	2,309	2,291	2,384	-3.3	+0.8	-3.9	2,359	2,575	2,577	2,667	2,075
	Machinery, except electrical.....	40,949	41,009	41,273	41,609	-0.1	-0.6	-0.8	41,087	41,228	41,806	41,870	39,179
	Engines and turbines.....	2,034	2,101	2,171	2,115	-3.2	-3.2	+2.6	2,032	2,099	2,195	2,136	2,315
	Farm machinery and equipment....	1,840	1,771	1,785	1,821	+3.9	-0.8	-2.0	1,811	1,815	1,815	1,869	1,847
	Construction, mining, and material handling equipment....	6,502	6,605	6,665	6,698	-1.6	-0.9	-0.5	6,469	6,645	6,798	6,791	6,823
	Metalworking machinery.....	2,759	2,744	2,732	2,719	+0.5	+0.4	+0.5	2,787	2,771	2,757	2,711	2,369
	General industrial machinery....	3,503	3,505	3,506	3,501	-0.1	0.0	+0.1	3,507	3,540	3,555	3,539	3,570
	Office and computing machines...	12,790	12,791	12,910	13,173	0.0	-0.9	-2.0	13,046	12,842	13,039	13,108	11,638
	Electrical machinery.....	34,541	34,270	33,957	33,744	+0.8	+0.9	+0.6	34,746	34,693	34,527	34,124	31,098
,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,545	4,537	4,587	4,497	+0.2	-1.1	+2.0	4,554	4,587	4,662	4,522	4,425
	Household appliances.....	2,546	2,497	2,458	2,530	+2.0	+1.6	-2.8	2,571	2,627	2,665	2,702	2,366
	Radio and TV.....	1,408	1,396	1,417	1,385	+0.9	-1.5	+2.3	1,461	1,442	1,448	1,377	1,284
	Communication equipment.....	14,756	14,508	14,127	14,007	+1.7	+2.7	+0.9	14,808	14,502	14,238	14,100	12,356
	Electronic components.....	6,457	6,516	6,563	6,504	-0.9	-0.7	+0.9	6,509	6,575	6,589	6,530	6,191
	Transportation equipment.....	48,903	48,582	48,060	48,091	+0.7	+1.1	-0.1	48,474	48,063	48,086	48,194	44,778
,6	Motor vehicles and parts.....	11,261	11,127	10,979	11,254	+1.2	+1.3	-2.4	10,761	10,756	10,855	11,223	10,042
1,95	Aircraft, missiles, and parts...	34,551	34,435	33,986	33,777	+0.3	+1.3	+0.6	34,712	34,352	34,201	33,945	31,768
	Shipbuilding and military tank vehicles.....	1,432	1,378	1,378	1,390	+3.9	0.0	-0.9	1,436	1,385	1,376	1,389	1,326
	Instruments and related products..	9,713	9,657	9,684	9,709	+0.6	-0.3	-0.3	9,795	9,834	9,847	9,837	9,560
-4	Scientific and engineering instruments.....	7,004	6,927	6,952	6,943	+1.1	-0.4	+0.1	7,053	7,045	7,042	7,047	6,807
	Photographic goods.....	2,078	2,102	2,102	2,135	-1.1	0.0	-1.5	2,101	2,144	2,159	2,147	2,164
25,	All other durable goods.....	14,772	14,746	14,805	15,012	+0.2	-0.4	-1.4	14,831	14,784	14,919	15,056	14,699
	Nondurable goods industries.....	92,770	93,439	93,354	93,574	-0.7	+0.1	-0.2	92,357	92,994	93,708	94,104	94,751
	With unfilled orders.....	23,209	23,465	23,612	23,929	-1.1	-0.6	-1.3	23,698	24,026	24,119	24,264	23,780
	Food and kindred products.....	21,494	21,425	21,482	21,521	+0.3	-0.3	-0.2	20,524	20,192	20,663	20,971	21,043
	Meat products.....	2,308	2,231	2,189	2,168	+3.5	+1.9	+1.0	2,232	2,231	2,283	2,303	2,270
	Beverages.....	3,545	3,491	3,454	3,477	+1.5	+1.1	-0.7	3,446	3,481	3,530	3,578	3,411
	Fats and oils.....	1,194	1,145	1,141	1,216	+4.3	+0.4	-6.2	1,033	1,061	1,083	1,197	1,271
-6,9	All other foods.....	12,686	12,775	12,946	12,879	-0.7	-1.3	+0.5	12,001	11,600	11,962	12,080	12,217
	Tobacco products.....	3,317	3,301	3,426	3,470	+0.5	-3.6	-1.3	3,005	3,116	3,344	3,526	3,207
	Textile mill products.....	6,651	6,737	6,747	6,876	-1.3	-0.1	-1.9	6,693	6,825	6,948	7,005	7,377
	Paper and allied products.....	9,502	9,678	9,690	9,782	-1.8	-0.1	-0.9	9,556	9,846	9,919	9,982	9,431
-3,6	Pulp, paper etc.....	3,766	3,774	3,723	3,742	-0.2	+1.4	-0.5	3,768	3,809	3,789	3,784	3,473
	Paperboard containers.....	2,257	2,442	2,478	2,565	-7.6	-1.5	-3.4	2,300	2,503	2,528	2,613	2,592
	All other paper products.....	3,479	3,462	3,489	3,475	+0.5	-0.8	+0.4	3,488	3,534	3,602	3,585	3,366
	Chemicals and allied products.....	21,870	22,050	21,499	21,364	-0.8	+2.6	+0.6	21,873	21,866	21,682	21,677	21,557
,6	Industrial chemicals, except pigments.....	6,625	6,621	6,601	6,527	+0.1	+0.3	+1.1	6,658	6,608	6,667	6,599	6,972
,4	Drugs, soaps, and toiletries....	6,944	6,871	6,854	6,777	+1.1	+0.2	+1.1	6,979	6,974	7,032	6,893	6,667
	Petroleum and coal products.....	7,621	7,953	8,183	7,973	-4.2	-2.8	+2.6	7,627	7,837	8,066	7,907	8,838
27,	Rubber and plastics products.....	6,153	6,094	6,055	6,044	+1.0	+0.6	+0.2	6,161	6,225	6,239	6,310	6,211
	All other nondurable goods.....	16,162	16,201	16,272	16,544	-0.2	-0.4	-1.6	16,918	17,087	16,847	16,726	17,087
	Market categories:												
	Home goods and apparel.....	22,358	22,354	22,340	22,797	0.0	+0.1	-2.0	23,014	23,346	23,280	23,132	23,242
	Consumer staples.....	34,140	34,053	34,247	34,234	+0.3	-0.6	0.0	33,157	32,934	33,615	33,920	33,005
	Equipment and defense products, except automotive.....	86,092	85,567	85,586	85,377	+0.6	0.0	+0.2	86,293	85,805	86,453	86,025	79,654
	Automotive equipment.....	13,642	13,498	13,449	13,689	+1.1	+0.4	-1.8	13,029	13,100	13,339	13,700	12,276
	Construction materials, supplies and intermediate products.....	19,473	19,555	19,336	19,352	-0.4	+1.1	-0.1	19,475	19,738	19,547	19,606	19,660
	Other materials, supplies, and intermediate products.....	109,446	110,651	109,942	110,600	-1.1	+0.6	-0.6	109,992	111,148	111,166	111,712	111,708
	Supplementary series:[2]												
	Capital goods industries.....	98,352	98,019	97,467	97,299	+0.3	+0.6	+0.2	98,795	98,402	98,560	97,937	90,970
	Nondefense.....	73,079	73,298	73,505	73,293	-0.3	-0.3	+0.3	73,141	73,344	74,185	73,764	69,902
	Defense.....	25,273	24,721	23,962	24,006	+2.2	+3.2	-0.2	25,654	25,058	24,375	24,173	21,068
	Household durable goods industries.....	11,486	11,407	11,487	11,703	+0.7	-0.7	-1.8	11,699	11,719	11,863	11,883	11,130

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted				
		End of month				Percent change			End of month				
		July 1985P	June 1985r	May 1985	Apr. 1985	June-JulyP	May-Jnnr	Apr.-May	July 1985P	June 1985r	May 1985	Apr. 1985	Jul 198
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,937	91,162	90,800	92,037	-1.3	+0.4	-1.3	89,849	90,793	91,008	92,316	92,9
	Durable goods industries.....	54,104	54,714	54,693	55,638	-1.1	0.0	-1.7	54,223	54,513	54,646	55,454	55,5
32	Stone, clay, and glass products...	1,881	1,872	1,870	1,857	+0.5	+0.1	+0.7	1,885	1,866	1,860	1,857	1,9
33	Primary metals.....	5,645	5,722	5,744	5,742	-1.3	-0.4	0.0	5,597	5,630	5,607	5,555	6,7
34	Fabricated metal products.....	7,122	7,269	7,180	7,360	-2.0	+1.2	-2.4	7,192	7,282	7,229	7,433	7,3
35	Machinery, except electrical.....	11,513	11,761	11,711	11,900	-2.1	+0.4	-1.6	11,580	11,791	11,837	11,957	11,8
36	Electrical Machinery.....	8,163	8,418	8,550	8,657	-3.0	-1.5	-1.2	8,310	8,472	8,600	8,748	8,5
37	Transportation equipment.....	11,581	11,401	11,270	11,612	+1.6	+1.2	-2.9	11,460	11,365	11,295	11,564	10,8
38	Instruments and related products..	2,766	2,750	2,770	2,771	+0.6	-0.7	0.0	2,768	2,762	2,773	2,783	2,8
24,25, 39	All other durable goods.....	5,433	5,521	5,598	5,739	-1.6	-1.4	-2.5	5,431	5,345	5,445	5,557	5,4
	Nondurable goods industries.....	35,833	36,448	36,107	36,399	-1.7	+0.9	-0.8	35,626	36,280	36,362	36,862	37,3
20	Food and kindred products.....	7,638	7,794	7,526	7,609	-2.0	+3.6	-1.1	7,313	7,485	7,483	7,731	7,7
21	Tobacco products.....	2,854	2,818	2,931	2,918	+1.3	-3.9	+0.4	2,603	2,711	2,891	3,000	2,8
22	Textile mill products.....	2,049	2,061	2,090	2,127	-0.6	-1.4	-1.7	2,100	2,101	2,158	2,163	2,3
26	Paper and allied products.....	4,606	4,721	4,811	4,818	-2.4	-1.9	-0.1	4,641	4,762	4,814	4,856	4,8
28	Chemicals and allied products.....	8,199	8,388	8,158	8,242	-2.3	+2.8	-1.0	8,269	8,308	8,234	8,316	8,3
29	Petroleum and coal products.....	1,851	1,956	1,984	1,984	-5.4	-1.4	0.0	1,868	2,009	2,116	2,044	2,2
30	Rubber and plastics products.....	2,062	2,145	2,047	2,037	-3.9	+4.8	+0.5	2,086	2,167	2,067	2,071	2,2
23,27, 31	All other nondurable goods.....	6,574	6,565	6,560	6,664	+0.1	+0.1	-1.6	6,746	6,737	6,599	6,681	6,7
	WORK IN PROCESS												
	All manufacturing industries..	105,176	104,642	103,972	103,888	+0.5	+0.6	+0.1	105,142	104,477	104,861	104,702	99,7
	Durable goods industries.....	91,073	90,306	89,654	89,537	+0.8	+0.7	+0.1	90,941	90,230	90,373	90,188	84,7
32	Stone, clay, and glass products...	842	802	791	800	+5.0	+1.4	-1.1	825	822	821	835	7
33	Primary metals.....	7,628	7,708	7,703	7,869	-1.0	+0.1	-2.1	7,709	7,668	7,797	7,920	8,4
34	Fabricated metal products.....	6,637	6,688	6,699	6,751	-0.8	-0.2	-0.8	6,754	6,915	6,879	6,891	6,6
35	Machinery, except electrical.....	16,501	16,156	16,321	16,566	+2.1	-1.0	-1.5	16,367	16,116	16,480	16,680	15,8
36	Electrical Machinery.....	19,508	19,090	18,706	18,436	+2.2	+2.1	+1.5	19,546	19,233	18,945	18,555	16,4
37	Transportation equipment.....	32,161	32,093	31,635	31,284	+0.2	+1.4	+1.1	31,891	31,606	31,578	31,405	28,9
38	Instruments and related products..	4,183	4,164	4,160	4,191	+0.5	+0.1	-0.7	4,214	4,254	4,206	4,246	4,0
24,25, 39	All other durable goods.....	3,613	3,605	3,639	3,640	+0.2	-0.9	0.0	3,635	3,616	3,667	3,656	3,5
	Nondurable goods industries.....	14,103	14,336	14,318	14,351	-1.6	+0.1	-0.2	14,201	14,247	14,488	14,514	15,0
20	Food and kindred products.....	1,661	1,649	1,653	1,664	+0.7	-0.2	-0.7	1,595	1,620	1,652	1,667	1,7
21	Tobacco products.....	202	254	234	252	-20.5	+8.5	-7.1	157	161	183	195	1
22	Textile mill products.....	1,923	1,954	1,954	1,961	-1.6	0.0	-0.4	1,898	1,918	1,965	1,979	2,1
26	Paper and allied products.....	1,105	1,145	1,141	1,136	-3.5	+0.4	+0.4	1,122	1,170	1,156	1,134	1,1
28	Chemicals and allied products.....	3,632	3,665	3,539	3,538	-0.9	+3.6	0.0	3,659	3,666	3,604	3,566	3,6
29	Petroleum and coal products.....	1,271	1,288	1,283	1,262	-1.3	+0.4	+1.7	1,300	1,313	1,332	1,322	1,5
30	Rubber and plastics products.....	1,170	1,153	1,178	1,131	+1.5	-2.1	+4.2	1,187	1,144	1,156	1,155	1,1
23,27, 31	All other nondurable goods.....	3,139	3,228	3,336	3,407	-2.8	-3.2	-2.1	3,283	3,255	3,440	3,496	3,4
	FINISHED GOODS												
	All manufacturing industries..	90,038	89,874	90,128	90,124	+0.2	-0.3	0.0	89,969	90,801	91,531	91,077	86,8
	Durable goods industries.....	47,204	47,219	47,199	47,300	0.0	0.0	-0.2	47,439	48,334	48,673	48,349	44,5
32	Stone, clay, and glass products...	3,245	3,308	3,219	3,263	-1.9	+2.8	-1.3	3,270	3,373	3,371	3,393	3,1
33	Primary metals.....	5,625	5,670	5,636	5,686	-0.8	+0.6	-0.9	5,611	5,771	5,846	5,910	5,9
34	Fabricated metal products.....	4,878	4,936	4,925	4,982	-1.2	+0.2	-1.1	4,827	5,148	5,097	5,116	4,4
35	Machinery, except electrical.....	12,935	13,092	13,241	13,143	-1.2	-1.1	+0.7	13,140	13,321	13,489	13,233	11,5
36	Electrical Machinery.....	6,870	6,762	6,701	6,651	+1.6	+0.9	+0.8	6,890	6,988	6,982	6,821	6,1
37	Transportation equipment.....	5,161	5,088	5,155	5,195	+1.4	-1.3	-0.8	5,123	5,092	5,213	5,225	4,9
38	Instruments and related products..	2,764	2,743	2,754	2,747	+0.8	-0.4	+0.3	2,813	2,818	2,868	2,808	2,7
24,25, 39	All other durable goods.....	5,726	5,620	5,568	5,633	+1.9	+0.9	-1.2	5,765	5,823	5,807	5,843	5,6
	Nondurable goods industries.....	42,834	42,655	42,929	42,824	+0.4	-0.6	+0.2	42,530	42,467	42,858	42,728	42,3
20	Food and kindred products.....	12,195	11,982	12,303	12,248	+1.8	-2.6	+0.4	11,616	11,087	11,528	11,573	11,5
21	Tobacco products.....	261	229	261	300	+14.0	-12.3	-13.0	245	244	270	331	2
22	Textile mill products.....	2,679	2,722	2,703	2,788	-1.6	+0.7	-3.0	2,695	2,806	2,825	2,863	2,8
26	Paper and allied products.....	3,791	3,812	3,738	3,828	-0.6	+2.0	-2.4	3,793	3,914	3,949	3,992	3,4
28	Chemicals and allied products.....	10,039	9,997	9,802	9,584	+0.4	+2.0	+2.3	9,945	9,892	9,844	9,795	9,5
29	Petroleum and coal products.....	4,499	4,709	4,916	4,727	-4.5	-4.2	+4.0	4,459	4,515	4,618	4,541	4,9
30	Rubber and plastics products.....	2,921	2,796	2,830	2,876	+4.5	-1.2	-1.6	2,888	2,914	3,016	3,084	2,7
23,27, 31	All other nondurable goods.....	6,449	6,408	6,376	6,473	+0.6	+0.5	-1.5	6,889	7,095	6,808	6,549	6,8

PPreliminary. rRevised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		July 1985P	June 1985r	May 1985	Apr. 1985	July 1985P	June 1985r	May 1985	Apr. 1985
	All manufacturing industries	1.47	1.47	1.46	1.48	3.41	3.39	3.38	3.40
	Durable goods industries	1.88	1.87	1.86	1.89	4.14	4.11	4.12	4.12
32	Stone, clay, and glass products	1.24	1.26	1.22	1.20	0.57	0.57	0.56	0.56
33	Primary metals	1.78	1.82	1.80	1.82	1.86	1.89	1.85	1.85
34	Fabricated metal products	1.29	1.36	1.35	1.41	1.51	1.58	1.61	1.68
35	Machinery, except electrical	2.36	2.28	2.28	2.30	3.76	3.59	3.61	3.64
36	Electrical machinery	2.31	2.19	2.29	2.31	5.48	5.24	5.51	5.58
37	Transportation equipment	1.96	2.00	1.91	1.90	10.49	10.90	10.78	10.27
38	Instruments and related products	2.01	1.97	2.04	2.07	1.81	1.74	1.80	1.80
	Nondurable goods industries	1.02	1.02	1.02	1.02	0.49	0.49	0.47	0.48
20	Food and kindred products	0.87	0.89	0.86	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.26	1.65	1.87	2.36	(X)	(X)	(X)	(X)
22	Textile mill products	1.50	1.59	1.57	1.60	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.17	1.19	1.18	1.22	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.20	1.23	1.23	1.19	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.47	0.49	0.50	0.47	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.54	1.56	1.48	1.49	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1984	All Julys 1980-1984	July 1984-June 1985	Year ago July 1984	All Julys 1980-1984	July 1984-June 1985	Year ago July 1984	All Julys 1980-1984	July 1984-June 1985	Year ago July 1984	All Julys 1980-1984	July 1984-June 1985
	All manufacturing industries.	0.5	0.3	0.3	0.8	0.5	0.3	0.1	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.6	0.5	0.5	1.3	1.1	0.6	0.2	0.2	0.2	0.1	0.0	0.1
32	Stone, clay, and glass products..	1.5	1.1	0.8	3.0	1.5	1.3	2.7	0.9	1.5	0.5	0.6	0.5
33	Primary metals	0.2	1.2	0.6	2.4	1.0	1.2	1.0	0.5	0.5	0.3	0.2	0.2
34	Fabricated metal products	2.0	0.7	1.1	1.5	1.3	1.0	0.4	0.4	0.2	0.0	0.3	0.3
35	Machinery, except electrical	0.8	1.3	0.7	3.2	3.6	0.7	0.8	0.6	0.2	0.0	0.1	0.1
36	Electrical machinery	0.7	0.6	1.2	0.6	0.7	1.2	0.0	0.1	0.3	0.1	0.2	0.2
37	Transportation equipment	0.1	0.5	0.6	0.1	0.4	0.8	0.1	0.0	0.1	0.0	0.1	0.1
38	Instruments and related products.	0.0	1.0	0.9	2.1	2.7	1.6	1.3	0.9	0.6	0.1	0.3	0.2
	Nondurable goods industries	0.4	0.5	0.3	0.4	0.5	0.2	0.2	0.5	0.3	0.0	0.2	0.2
20	Food and kindred products	1.3	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.8	0.3
21	Tobacco products	0.0	2.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.3
22	Textile mill products	1.1	1.4	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.5	0.4
26	Paper and allied products	1.0	1.2	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.4	0.3
28	Chemicals and allied product	0.1	1.2	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.3
29	Petroleum and coal products	1.6	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.7	0.4
30	Rubber and plastics products	1.9	1.4	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.8	0.4
	Capital Goods Industries:												
	Nondefense	0.9	0.9	1.1	2.0	2.4	1.2	0.2	0.2	0.1	0.0	0.2	0.1
	Defense	0.4	1.0	1.2	1.5	1.4	3.7	0.1	0.2	0.2	0.0	0.4	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Mai

FEB 27 1986
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

August 1985
M3-1(85)-8
For Wire Transmission 10:00a.m. E.D.T. Wednesday, October 2

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

.158!
M3-1(85)-8

SUMMARY. New orders for manufactured goods in August increased $1.7 billion or 0.9 percent from July to $197.5 billion. An increase in durable goods of 2.6 percent was partially offset by a decline in nondurables of 1.1 percent. The durable goods increase was a downward revision from the earlier reported 3.4 percent increase.

Shipments of manufactured goods increased $2.1 billion or 1.1 percent to $195.9 billion; this is the largest 1 month increase since March. Durable goods increased 2.7 percent while nondurables declined 0.8 percent.

Unfilled orders increased $1.6 billion or 0.5 percent to $363.1 billion, as a result of an increase in defense capital goods. Excluding defense, unfilled orders declined 0.5 percent.

Inventories at the end of August were $284.6 billion, down $0.5 billion or 0.2 percent from July, the third decline in the last 4 months. Prior to May, inventories had been flat at $286 billion since October. The inventory to shipments ratio for August was 1.45 down from 1.47 in July and June.

NEW ORDERS. New orders for durable goods in August increased $2.7 billion or 2.6 percent to $107.0 billion. Transportation equipment accounted for most of the increase, up $2.8 billion or 10.6 percent to $29.6 billion; the aircraft and automotive industries were each up $1.7 billion. Other increases were in fabricated metals products, up $0.4 billion or 3.1 percent, primary metals, up $0.3 billion or 2.6 percent, and nonelectrical machinery, up $0.1 billion or 0.7 percent. The largest declines were in electrical machinery, down $0.4 billion or 2.9 percent and instruments, down $0.4 billion or 7.2 percent.

Most of the 1.1 percent decline in new orders for nondurable goods was in the food products industry, although most of the other industries were also down.

SHIPMENTS. Increases in shipments by durable goods manufacturers' were widespread. Transportation equipment was up $1.9 billion or 7.7 percent to $26.9 billion; two-thirds of the increase was in the motor vehicle and parts industry, up $1.3 billion or 8.2 percent to $17.1 billion. Electrical machinery was up $0.6 billion or 3.7 percent and primary metals $0.4 billion or 3.4 percent.

The decline in nondurable goods shipments of $0.7 billion or 0.8 percent to $90.6 billion was concentrated in the food products industry, down $0.9 billion or 3.5 percent to $24.0 billion. All the remaining industries showed smaller declines except for tobacco products, apparel and petroleum products which increased; this was the first increase in petroleum shipments since April.

UNFILLED ORDERS. Unfilled orders for durable goods increased in August $1.8 billion or 0.5 percent to $352.9 billion. Two major industries accounted for the increase; transportation equipment was up $2.7 billion or 1.8 percent to $152.8 billion, mostly due to orders for defense aircraft and parts; nonelectrical machinery was up $0.3 billion or 0.5 percent to $62.2 billion, mostly due to office and computing equipment. Declines were recorded in the other industries, the largest coming in electrical machinery, down $0.8 billion or 1.0 percent to $81.4 billion.

INVENTORIES. Inventories of durable goods declined $0.4 billion or 0.2 percent to $191.8 billion. Small declines were recorded in all industries except transportation equipment and fabricated metals. Transportation equipment increased $0.3 billion or 0.7 percent to $49.2 billion; excluding the defense components, there was no change. Inventories of nondurable goods were relatively unchanged from July at $92.8 billion, resulting from offsetting increases and decreases in the particular industries.

Inventories by stage of fabrication were also down slightly; materials and supplies and work in process were each down 0.2 percent, and finished goods down 0.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for September is scheduled for release on October 23, 1985 at 8:30 A.M. and the full report on October 31, 1985 at 10:00 A.M.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/227–1927) or (800/982–5838 in California) and the Glimpse Corporation (703/836–6800). Further information about accessing CENDATA can be obtained from these companies. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1985P	July 1985r	June 1985	May 1985	July-Aug.P	June-Julyr	May-June	Aug. 1985P	July 1985r	June 1985	May 1985	1985P	1984
	All manufacturing industries	195,859	193,793	193,871	194,638	+1.1	0.0	-0.4	193,208	179,513	207,055	197,375	1,544,025	1,499,578
	Manufacturing industries with unfilled orders	106,490	105,883	106,043	104,922	+0.6	-0.2	+1.1	104,719	96,643	113,445	106,055	834,119	786,954
	Durable goods industries	105,236	102,478	102,657	102,718	+2.7	-0.2	-0.1	101,494	92,728	112,012	105,450	818,352	774,252
	With unfilled orders	85,820	84,890	84,943	83,807	+1.1	-0.1	+1.4	83,647	77,082	92,021	85,043	668,585	625,940
32	Stone, clay, and glass products	4,617	4,808	4,753	4,822	-4.0	+1.2	-1.4	4,916	4,753	5,231	4,984	38,009	36,324
322	Glass containers	416	419	379	397	-0.7	+10.6	-4.5	450	416	423	416	3,268	3,151
33	Primary metals	11,032	10,666	10,481	10,579	+3.4	+1.8	-0.9	10,823	9,710	11,236	11,015	85,758	90,142
331	Blast furnaces, steel mills	4,574	4,419	4,377	4,478	+3.5	+1.0	-2.3	4,455	4,030	4,749	4,603	35,827	37,280
333-9	Nonferrous and other primary metals	5,233	4,975	4,924	4,908	+5.2	+1.0	+0.3	5,149	4,572	5,180	5,094	40,009	42,674
34	Fabricated metal products	14,569	14,404	13,854	13,975	+1.1	+4.0	-0.9	14,831	13,459	14,982	14,391	110,511	89,908
341	Metal cans, barrels, and drums	975	1,028	957	999	-5.2	+7.4	-4.2	1,152	1,120	1,084	1,035	7,919	7,573
35	Machinery, except electrical	17,573	17,549	17,979	18,067	+0.1	-2.4	-0.5	16,279	15,827	19,867	18,149	139,714	135,685
351	Engines and turbines	1,223	1,239	1,326	1,188	-1.3	-6.6	+11.6	1,127	1,100	1,471	1,218	9,966	9,859
352	Farm machinery and equipment	915	828	817	943	+10.5	+1.3	-13.4	745	668	899	1,065	6,912	7,173
353	Construction, mining, and material handling equipment	2,849	2,900	2,737	2,828	-1.8	+6.0	-3.2	2,595	2,848	2,992	2,904	22,216	21,426
354	Metalworking machinery	871	911	908	849	-4.4	+0.3	+6.9	817	800	953	828	6,716	6,351
356	General industrial machinery	1,380	1,329	1,414	1,328	+3.8	-6.0	+6.5	1,388	1,231	1,458	1,347	11,042	11,086
357	Office and computing machines	4,420	4,474	5,017	4,838	-1.2	-10.8	+3.7	4,111	3,731	5,669	4,460	34,979	33,158
36	Electrical machinery	15,574	15,012	15,669	14,801	+3.7	-4.2	+5.9	15,099	13,586	16,844	14,796	120,134	118,267
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,149	2,052	2,166	2,015	+4.7	-5.3	+7.5	2,072	1,788	2,328	2,008	16,189	16,083
363	Household appliances	1,336	1,361	1,494	1,425	-1.8	-8.9	+4.8	1,419	1,347	1,642	1,441	11,334	11,715
365	Radio and TV	910	901	843	859	+1.0	+6.9	-1.9	889	815	978	787	7,015	6,569
366	Communication equipment	5,301	4,865	5,229	4,911	+9.0	-7.0	+6.5	5,023	4,410	5,657	4,961	39,821	35,151
367	Electronic components	3,257	3,159	3,315	3,163	+3.1	-4.7	+4.8	3,182	2,865	3,517	3,236	26,358	29,529
37	Transportation equipment	26,897	24,985	24,335	25,175	+7.7	+2.7	-3.3	24,104	21,466	27,268	26,747	204,902	188,849
371	Motor vehicles and parts	17,134	15,836	15,291	16,673	+8.2	+3.6	-8.3	15,057	13,113	17,499	18,224	134,676	127,703
372,6	Aircraft, missiles, and parts	8,009	7,629	7,367	6,823	+5.0	+3.6	+8.0	7,430	6,932	8,006	6,777	56,822	47,889
3731,95	Shipbuilding and military tank vehicles	854	759	857	845	+12.5	-11.4	+1.4	823	740	895	852	6,623	6,753
38	Instruments and related products	4,636	4,829	4,896	4,747	-4.0	-1.4	+3.1	4,561	4,430	5,252	4,670	37,132	34,777
381-4	Scientific and engineering instruments	3,051	3,141	3,308	3,102	-2.9	-5.0	+6.6	2,990	2,830	3,506	3,031	24,444	21,457
386	Photographic goods	1,400	1,501	1,393	1,439	-6.7	+7.8	-3.2	1,382	1,421	1,537	1,425	11,159	11,726
24,25, 39	All other durable goods	10,338	10,225	10,690	10,552	+1.1	-4.3	+1.3	10,881	9,497	11,332	10,698	82,192	80,297
	Nondurable goods industries	90,623	91,315	91,214	91,920	-0.8	+0.1	-0.8	91,714	86,785	95,043	91,925	725,673	725,326
	With unfilled orders	20,670	20,993	21,100	21,115	-1.5	-0.5	-0.1	21,072	19,561	21,424	21,012	165,534	161,015
20	Food and kindred products	24,016	24,895	24,139	25,101	-3.5	+3.1	-3.8	24,009	23,581	25,276	25,030	195,601	194,553
201	Meat products	5,487	5,815	5,675	5,655	-5.6	+2.5	+0.4	5,668	5,617	5,794	5,734	45,092	46,371
208	Beverages	3,742	3,727	3,634	3,788	+0.4	+2.6	-4.1	4,000	3,995	4,179	4,057	30,418	29,311
207	Fats and oils	1,045	1,142	1,183	1,306	-8.5	-3.5	-9.4	1,019	1,089	1,201	1,292	9,146	10,801
203-6,9	All other foods	10,500	10,907	10,480	11,046	-3.7	+4.1	-5.1	10,080	9,576	10,773	10,582	84,914	82,659
21	Tobacco products	1,634	1,465	2,006	1,836	+11.5	-27.0	+9.3	1,727	1,349	2,199	1,772	13,019	10,908
22	Textile mill products	4,333	4,351	4,248	4,287	-0.4	+2.4	-0.9	4,520	3,718	4,651	4,360	34,165	37,117
26	Paper and allied products	8,021	8,135	8,131	8,190	-1.4	0.0	-0.7	8,182	7,702	8,491	8,224	65,292	64,044
261-3,6	Pulp, paper etc.	3,451	3,464	3,369	3,436	-0.4	+2.8	-1.9	3,478	3,246	3,544	3,515	28,019	27,839
265	Paperboard containers	1,744	1,754	1,781	1,844	-0.6	-1.5	-3.4	1,788	1,663	1,856	1,844	14,624	14,408
264	All other paper products	2,826	2,917	2,981	2,910	-3.1	-2.1	+2.4	2,916	2,793	3,091	2,865	22,649	21,797
28	Chemicals and allied products	18,057	18,184	17,982	17,456	-0.7	+1.1	+3.0	17,527	16,687	19,194	18,211	144,462	142,459
281,6	Industrial chemicals, except pigments	5,803	5,966	6,116	5,953	-2.7	-2.5	+2.7	5,699	5,608	6,483	6,048	47,859	45,945
283,4	Drugs, soaps, and toiletries	4,679	4,670	4,934	4,453	+0.2	-5.4	+10.8	4,712	4,222	5,269	4,213	36,402	35,058
29	Petroleum and coal products	16,249	15,975	16,308	16,418	+1.7	-2.0	-0.7	16,431	16,029	16,812	16,342	127,918	133,299
30	Rubber and plastics products	3,863	3,977	3,903	4,103	-2.9	+1.9	-4.9	3,986	3,829	4,208	4,098	32,387	34,994
23,27, 31	All other nondurable goods	14,450	14,333	14,497	14,529	+0.8	-1.1	-0.2	15,332	13,890	14,212	13,888	112,829	107,951
	Market categories:													
	Home goods and apparel	13,230	13,021	13,173	13,214	+1.6	-1.2	-0.3	14,482	12,107	13,667	12,582	103,314	103,227
	Consumer staples	34,011	34,704	34,802	34,923	-2.0	-0.3	-0.3	34,078	32,785	36,390	34,532	273,127	263,955
	Equipment and defense products, except automotive	30,468	29,992	31,123	29,843	+1.6	-3.6	+4.3	28,752	27,121	33,871	29,699	235,579	215,657
	Automotive equipment	19,016	17,631	17,190	18,600	+7.9	+2.6	-7.6	16,975	14,871	19,587	20,285	150,418	144,298
	Construction materials, supplies and intermediate products	17,416	17,442	17,488	17,396	-0.1	-0.3	+0.5	18,365	17,291	19,158	18,014	136,271	116,018
	Other materials, supplies, and intermediate products	81,718	81,003	80,095	80,662	+0.9	+1.1	-0.7	80,556	75,338	84,382	82,263	645,316	656,420
	Supplementary series:[2]													
	Capital goods industries	34,928	33,869	34,703	33,393	+3.1	-2.4	+3.9	32,781	30,648	37,752	33,169	264,690	246,554
	Nondefense	27,770	27,042	27,482	26,809	+2.7	-1.6	+2.5	25,895	24,343	30,218	26,565	211,644	200,444
	Defense	7,158	6,827	7,221	6,584	+4.8	-5.5	+9.7	6,886	6,305	7,534	6,604	53,046	46,107
	Household durable goods industries	6,393	6,377	6,608	6,574	+0.3	-3.5	+0.5	6,699	5,626	6,958	6,407	50,698	48,554

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1985P	July 1985r	June 1985	May 1985	July-Aug.P	June-Julyr	May-June	Aug. 1985P	July 1985r	June 1985	May 1985	1985P	1984
	All manufacturing industries	197,488	195,793	198,261	195,019	+0.9	-1.2	+1.7	191,608	179,067	208,112	195,193	1,549,641	1,528,457
	Manufacturing industries with unfilled orders	108,119	107,883	110,433	105,303	+0.2	-2.3	+4.9	103,119	96,197	114,502	103,873	839,734	815,837
	Durable goods industries	107,035	104,370	106,780	102,971	+2.6	-2.3	+3.7	100,128	92,085	112,968	103,166	823,625	803,130
	With unfilled orders	87,619	86,782	89,066	84,060	+1.0	-2.6	+6.0	82,281	76,439	92,977	82,759	673,858	654,811
32	Stone, clay, and glass products	4,617	4,793	4,773	4,760	-3.7	+0.4	+0.3	4,858	4,759	5,216	4,969	38,131	36,855
33	Primary metals	10,881	10,604	10,736	10,559	+2.6	-1.2	+1.7	10,565	9,493	10,860	10,560	86,431	89,884
331	Blast furnaces, steel mills	4,852	4,509	4,344	4,215	+7.6	+3.8	+3.1	4,697	4,019	4,265	4,108	36,498	36,351
333-9	Nonferrous and other primary metals	4,745	4,859	5,229	5,013	-2.3	-7.1	+4.3	4,673	4,329	5,364	5,060	39,762	42,646
34	Fabricated metal products	14,653	14,206	13,426	13,593	+3.1	+5.8	-1.2	14,821	13,207	14,691	14,094	109,831	90,907
35	Machinery, except electrical	17,897	17,766	17,822	17,332	+0.7	-0.3	+2.8	16,306	15,294	19,421	17,534	140,369	141,071
351	Engines and turbines	1,304	1,332	1,476	983	-2.1	-9.8	+50.2	1,360	1,257	1,431	1,113	9,561	10,476
353	Construction, mining, and material handling equipment	2,896	2,964	2,756	2,724	-2.3	+7.5	+1.2	2,552	2,936	2,964	2,799	22,284	21,851
354	Metalworking machinery	802	1,046	992	898	-23.3	+5.4	+10.5	874	979	1,079	889	7,607	7,380
356	General industrial machinery	1,329	1,331	1,479	1,332	-0.2	-10.0	+11.0	1,342	1,228	1,483	1,342	10,951	11,239
357	Office and computing machines	4,815	4,308	4,712	4,577	+11.8	-8.6	+2.9	3,907	2,905	5,525	4,432	35,747	35,035
36	Electrical machinery	14,745	15,189	16,200	14,947	-2.9	-6.2	+8.4	14,378	13,246	16,502	15,113	123,395	129,565
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,174	2,085	1,955	2,007	+4.3	+6.6	-2.6	2,124	1,820	2,046	1,956	16,108	16,204
363	Household appliances	1,341	1,373	1,509	1,431	-2.3	-9.0	+5.5	1,423	1,368	1,647	1,464	11,412	11,765
365	Radio and TV	880	841	687	973	+4.6	+22.4	-29.4	998	758	910	1,112	7,183	7,229
366	Communication equipment	5,161	5,033	6,675	5,502	+2.5	-24.6	+21.3	4,928	3,994	6,491	5,386	45,729	41,358
367	Electronic components	2,588	3,167	2,805	2,588	-18.3	+12.9	+8.4	2,374	2,906	2,743	2,820	23,549	33,720
37	Transportation equipment	29,573	26,730	28,300	26,416	+10.6	-5.5	+7.1	24,089	21,964	29,760	25,315	204,966	197,270
372,6	Aircraft, missiles, and parts	11,047	9,336	10,573	8,002	+18.3	-11.7	+32.1	7,937	7,438	10,411	5,771	59,359	58,264
3731,95	Shipbuilding and military tank vehicles	384	1,101	1,409	1,035	-65.1	-21.9	+36.1	180	816	943	783	4,638	5,028
38	Instruments and related products	4,595	4,950	4,868	4,827	-7.2	+1.7	+0.8	4,526	4,537	5,318	4,691	37,506	35,466
24,25, 39	All other durable goods	10,074	10,132	10,655	10,537	-0.6	-4.9	+1.1	10,585	9,585	11,200	10,890	82,996	82,112
	Nondurable goods industries	90,453	91,423	91,481	92,048	-1.1	-0.1	-0.6	91,480	86,982	95,144	92,027	726,016	725,327
	With unfilled orders	20,500	21,101	21,367	21,243	-2.8	-1.2	+0.6	20,838	19,758	21,525	21,114	165,876	161,026
	Market categories:													
	Home goods and apparel	13,161	12,964	13,210	13,118	+1.5	-1.9	+0.7	14,429	12,236	13,661	12,863	104,486	105,428
	Consumer staples	33,966	34,696	34,770	34,943	-2.1	-0.2	-0.5	34,066	32,803	36,353	34,522	273,110	263,932
	Equipment and defense products, except automotive	32,030	31,800	33,946	30,738	+0.7	-6.3	+10.4	27,569	26,212	34,805	28,926	239,647	232,914
	Automotive equipment	19,148	17,357	17,438	18,461	+10.3	-0.5	-5.5	17,147	14,796	19,668	19,925	150,028	143,900
	Construction materials, supplies and intermediate products	17,432	17,339	17,324	17,200	+0.5	+0.1	+0.7	18,311	17,175	19,005	17,888	136,418	116,703
	Other materials, supplies, and intermediate products	81,751	81,637	81,573	80,559	+0.1	+0.1	+1.3	80,086	75,845	84,620	81,069	645,952	665,578
	Supplementary series:[2]													
	Capital goods industries	37,611	36,279	39,222	34,367	+3.7	-7.5	+14.1	32,530	30,240	40,096	31,672	271,221	267,383
	Nondefense	27,643	26,685	27,984	25,594	+3.6	-4.6	+9.3	25,513	23,447	30,297	25,122	210,436	213,960
	Defense	9,968	9,594	11,238	8,773	+3.9	-14.6	+28.1	7,017	6,793	9,799	6,550	60,785	53,423
	Household durable goods industries	6,268	6,291	6,616	6,453	-0.4	-4.9	+2.5	6,627	5,708	6,933	6,640	51,664	50,724

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Aug. 1985p	July 1985r	June 1985	May 1985	July-Aug.p	June-Julyr	May-June	Aug. 1985p	July 1985r	June 1985	May 1985	Aug. 1984
	All manufacturing industries..	363,131	361,502	359,502	355,112	+0.5	+0.6	+1.2	358,556	360,156	360,602	359,545	357,132
	Durable goods industries.....	352,941	351,142	349,250	345,127	+0.5	+0.5	+1.2	348,300	349,666	350,309	349,353	346,596
32	Stone, clay, and glass products...	2,490	2,490	2,505	2,485	0.0	-0.6	+0.8	2,519	2,577	2,571	2,586	2,475
33	Primary metals.....	19,598	19,749	19,811	19,556	-0.8	-0.3	+1.3	19,177	19,435	19,652	20,028	20,051
331	Blast furnaces, steel mills.....	9,363	9,085	8,995	9,028	+3.1	+1.0	-0.4	9,073	8,831	8,842	9,326	8,761
333-9	Nonferrous and other primary metals.....	6,924	7,412	7,528	7,223	-6.6	-1.5	+4.2	6,869	7,345	7,588	7,404	8,044
34	Fabricated metal products.....	20,298	20,214	20,412	20,840	+0.4	-1.0	-2.1	20,501	20,511	20,763	21,054	21,119
35	Machinery, except electrical.....	62,198	61,874	61,657	61,814	+0.5	+0.4	-0.3	61,627	61,600	62,133	62,579	63,520
351	Engines and turbines.....	14,760	14,679	14,586	14,436	+0.6	+0.6	+1.0	14,757	14,524	14,367	14,407	15,338
353	Construction, mining, and material handling equipment....	6,026	5,979	5,915	5,896	+0.8	+1.1	+0.3	5,960	6,003	5,915	5,943	6,093
354	Metalworking machinery.....	4,381	4,450	4,315	4,231	-1.6	+3.1	+2.0	4,534	4,477	4,298	4,172	3,403
356	General industrial machinery....	4,565	4,616	4,614	4,549	-1.1	0.0	+1.4	4,570	4,616	4,619	4,594	4,800
357	Office and computing machines...	21,489	21,094	21,260	21,565	+1.9	-0.8	-1.4	21,038	21,242	22,068	22,212	22,023
36	Electrical machinery.....	81,448	82,277	82,100	81,569	-1.0	+0.2	+0.7	81,176	81,897	82,237	82,579	80,465
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,091	6,066	6,033	6,244	+0.4	+0.5	-3.4	6,101	6,049	6,017	6,299	6,362
363	Household appliances.....	405	400	388	373	+1.3	+3.1	+4.0	441	437	416	411	511
365	Radio and TV.....	401	431	491	647	-7.0	-12.2	-24.1	603	494	551	619	1,056
366	Communication equipment.....	57,187	57,327	57,159	55,713	-0.2	+0.3	+2.6	56,477	56,572	56,988	56,154	48,399
367	Electronic components.....	15,944	16,613	16,605	17,115	-4.0	0.0	-3.0	16,087	16,895	16,854	17,628	22,661
37	Transportation equipment.....	152,814	150,138	148,393	144,428	+1.8	+1.2	+2.7	148,625	148,640	148,142	145,650	143,755
372,6	Aircraft, missiles, and parts...	126,480	123,442	121,735	118,529	+2.5	+1.4	+2.7	123,074	122,567	122,061	119,656	114,704
3731,95	Shipbuilding and military tank vehicles.....	19,534	20,004	19,662	19,110	-2.3	+1.7	+2.9	18,872	19,515	19,439	19,391	20,931
38	Instruments and related products..	8,613	8,654	8,533	8,561	-0.5	+1.4	-0.3	8,688	8,723	8,616	8,550	8,346
24,25, 39	All other durable goods.....	5,482	5,746	5,839	5,874	-4.6	-1.6	-0.6	5,987	6,283	6,195	6,327	6,866
	Nondurable goods industries.....	10,190	10,360	10,252	9,985	-1.6	+1.1	+2.7	10,256	10,490	10,293	10,192	10,536
	Market categories:												
	Home goods and apparel.....	4,367	4,436	4,493	4,456	-1.6	-1.3	+0.8	5,000	5,053	4,924	4,930	6,209
	Consumer staples.....	610	655	663	695	-6.9	-1.2	-4.6	616	628	610	647	679
	Equipment and defense products, except automotive.....	228,907	227,345	225,537	222,714	+0.7	+0.8	+1.3	223,969	225,152	226,061	225,127	214,148
	Automotive equipment.....	6,223	6,091	6,365	6,117	+2.2	-4.3	+4.1	6,099	5,927	6,002	5,921	7,381
	Construction materials, supplies and intermediate products.....	12,174	12,158	12,261	12,425	+0.1	-0.8	-1.3	12,342	12,396	12,512	12,665	12,531
	Other materials, supplies, and intermediate products.....	110,850	110,817	110,183	108,705	0.0	+0.6	+1.4	110,530	111,000	110,493	110,255	116,183
	Supplementary series:[2]												
	Capital goods industries.....	275,640	272,957	270,547	266,028	+1.0	+0.9	+1.7	270,387	270,638	271,046	268,702	257,736
	Nondefense.....	132,088	132,215	132,572	132,070	-0.1	-0.3	+0.4	131,620	132,002	132,898	132,819	136,613
	Defense.....	143,552	140,742	137,975	133,958	+2.0	+2.0	+3.0	138,767	138,636	138,148	135,883	121,123
	Household durable goods industries.....	3,779	3,904	3,990	3,982	-3.2	-2.2	+0.2	4,397	4,469	4,387	4,412	5,667

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Aug. 1985P	July 1985r	June 1985	May 1985	July-Aug.P	June-Julyr	May-June	Aug. 1985P	July 1985r	June 1985	May 1985	Aug. 1984
	All manufacturing industries..	284,584	285,036	285,678	284,900	-0.2	-0.2	+0.3	284,884	284,842	286,071	287,400	283,072
	Manufacturing industries with unfilled orders.....	199,894	199,790	200,119	199,627	+0.1	-0.2	+0.2	200,719	200,803	201,564	202,110	196,128
	Durable goods industries.....	191,766	192,163	192,239	191,546	-0.2	0.0	+0.4	192,315	192,382	193,077	193,692	187,591
	With unfilled orders.....	176,266	176,573	176,654	176,015	-0.2	0.0	+0.4	176,865	177,094	177,538	177,991	172,309
32	Stone, clay, and glass products...	5,837	5,981	5,982	5,880	-2.4	0.0	+1.7	5,802	5,993	6,061	6,052	5,864
322	Glass containers.....	605	609	611	611	-0.7	-0.3	0.0	609	613	620	629	630
33	Primary metals.....	18,621	18,822	19,100	19,083	-1.1	-1.5	+0.1	18,623	18,840	19,069	19,250	21,214
331	Blast furnaces, steel mills.....	8,354	8,427	8,587	8,619	-0.9	-1.9	-0.4	8,429	8,511	8,527	8,576	10,074
333-9	Nonferrous and other primary metals.....	9,008	9,133	9,223	9,190	-1.4	-1.0	+0.4	8,963	9,096	9,251	9,355	9,892
34	Fabricated metal products.....	18,604	18,540	18,893	18,804	+0.3	-1.9	+0.5	18,632	18,675	19,345	19,205	18,328
341	Metal cans, barrels, and drums..	2,191	2,243	2,309	2,291	-2.3	-2.9	+0.8	2,121	2,371	2,575	2,577	1,777
35	Machinery, except electrical.....	40,902	40,981	41,009	41,273	-0.2	-0.1	-0.6	40,989	41,118	41,228	41,806	40,011
351	Engines and turbines.....	2,048	2,032	2,101	2,171	+0.8	-3.3	-3.2	2,015	2,030	2,099	2,195	2,369
352	Farm machinery and equipment....	1,827	1,840	1,771	1,785	-0.7	+3.9	-0.8	1,820	1,811	1,815	1,815	1,969
353	Construction, mining, and material handling equipment....	6,479	6,544	6,605	6,665	-1.0	-0.9	-0.9	6,485	6,511	6,645	6,798	6,977
354	Metalworking machinery.....	2,857	2,758	2,744	2,732	+3.6	+0.5	+0.4	2,888	2,786	2,771	2,757	2,426
356	General industrial machinery....	3,534	3,513	3,505	3,506	+0.6	+0.2	0.0	3,492	3,517	3,540	3,555	3,522
357	Office and computing machines...	12,695	12,730	12,791	12,910	-0.3	-0.5	-0.9	12,924	12,985	12,842	13,039	11,911
36	Electrical machinery.....	34,422	34,504	34,270	33,957	-0.2	+0.7	+0.9	34,596	34,708	34,693	34,527	31,627
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,534	4,544	4,537	4,587	-0.2	+0.2	-1.1	4,547	4,553	4,587	4,662	4,480
363	Household appliances.....	2,584	2,532	2,497	2,458	+2.1	+1.4	+1.6	2,527	2,557	2,627	2,665	2,346
365	Radio and TV.....	1,372	1,400	1,396	1,417	-2.0	+0.3	-1.5	1,447	1,453	1,442	1,448	1,331
366	Communication equipment.....	14,839	14,770	14,508	14,127	+0.5	+1.8	+2.7	14,878	14,822	14,502	14,238	12,537
367	Electronic components.....	6,326	6,438	6,516	6,563	-1.7	-1.2	-0.7	6,358	6,489	6,575	6,589	6,319
37	Transportation equipment.....	49,210	48,869	48,582	48,060	+0.7	+0.6	+1.1	49,350	48,440	48,063	48,086	46,211
371	Motor vehicles and parts.....	11,432	11,262	11,127	10,979	+1.5	+1.2	+1.3	11,536	10,762	10,756	10,855	10,675
372,6	Aircraft, missiles, and parts...	34,662	34,514	34,435	33,986	+0.4	+0.2	+1.3	34,792	34,675	34,352	34,201	32,510
3731,95	Shipbuilding and military tank vehicles.....	1,449	1,434	1,378	1,378	+1.0	+4.1	0.0	1,417	1,438	1,385	1,376	1,329
38	Instruments and related products..	9,607	9,686	9,657	9,684	-0.8	+0.3	-0.3	9,660	9,768	9,834	9,847	9,567
381-4	Scientific and engineering instruments.....	6,938	6,981	6,927	6,952	-0.6	+0.8	-0.4	6,931	7,030	7,045	7,042	6,790
386	Photographic goods.....	2,036	2,074	2,102	2,102	-1.8	-1.3	0.0	2,091	2,097	2,144	2,159	2,184
24,25, 39	All other durable goods.....	14,563	14,780	14,746	14,805	-1.5	+0.2	-0.4	14,663	14,840	14,784	14,919	14,768
	Nondurable goods industries.....	92,818	92,873	93,439	93,354	-0.1	-0.6	+0.1	92,569	92,460	92,994	93,708	95,482
	With unfilled orders.....	23,628	23,217	23,465	23,612	+1.8	-1.1	-0.6	23,854	23,709	24,026	24,119	23,819
20	Food and kindred products.....	21,568	21,472	21,425	21,482	+0.4	+0.2	-0.3	21,397	20,499	20,192	20,663	21,751
201	Meat products.....	2,328	2,325	2,231	2,189	+0.1	+4.2	+1.9	2,195	2,248	2,231	2,283	2,178
208	Beverages.....	3,604	3,556	3,491	3,454	+1.3	+1.9	+1.1	3,449	3,456	3,481	3,530	3,396
207	Fats and oils.....	1,275	1,194	1,145	1,141	+6.8	+4.3	+0.4	1,051	1,033	1,061	1,083	1,148
203-6,9	All other foods.....	12,673	12,682	12,775	12,946	-0.1	-0.7	-1.3	12,990	11,997	11,600	11,962	13,177
21	Tobacco products.....	3,220	3,317	3,301	3,426	-2.9	+0.5	-3.6	3,030	3,005	3,116	3,344	3,301
22	Textile mill products.....	6,592	6,662	6,737	6,747	-1.1	-1.1	-0.1	6,575	6,704	6,825	6,948	7,344
26	Paper and allied products.....	9,643	9,533	9,678	9,690	+1.2	-1.5	-0.1	9,561	9,588	9,846	9,919	9,390
261-3,6	Pulp, paper etc.....	3,688	3,760	3,774	3,723	-1.9	-0.4	+1.4	3,681	3,762	3,809	3,789	3,480
265	Paperboard containers.....	2,348	2,263	2,442	2,478	+3.8	-7.3	-1.5	2,346	2,306	2,503	2,528	2,569
264	All other paper products.....	3,607	3,510	3,462	3,489	+2.8	+1.4	-0.8	3,534	3,520	3,534	3,602	3,341
28	Chemicals and allied products.....	21,699	21,887	22,050	21,499	-0.9	-0.7	+2.6	21,600	21,890	21,866	21,682	21,795
281,6	Industrial chemicals, except pigments.....	6,595	6,633	6,621	6,601	-0.6	+0.2	+0.3	6,602	6,666	6,608	6,667	7,092
283,4	Drugs, soaps, and toiletries....	6,861	6,945	6,871	6,854	-1.2	+1.1	+0.2	6,868	6,980	6,974	7,032	6,709
29	Petroleum and coal products.....	7,349	7,736	7,953	8,183	-5.0	-2.7	-2.8	7,368	7,742	7,837	8,066	8,866
30	Rubber and plastics products.....	6,263	6,143	6,094	6,055	+2.0	+0.8	+0.6	6,122	6,151	6,225	6,239	6,146
23,27, 31	All other nondurable goods.....	16,484	16,123	16,201	16,272	+2.2	-0.5	-0.4	16,916	16,881	17,087	16,847	16,889
	Market categories:												
	Home goods and apparel.....	22,380	22,351	22,354	22,340	+0.1	0.0	+0.1	22,687	23,008	23,346	23,280	22,993
	Consumer staples.....	34,147	34,126	34,053	34,247	+0.1	+0.2	-0.6	34,099	33,140	32,934	33,615	34,025
	Equipment and defense products, except automotive.....	86,049	86,111	85,567	85,586	-0.1	+0.6	0.0	86,124	86,311	85,805	86,453	81,307
	Automotive equipment.....	13,822	13,642	13,498	13,449	+1.3	+1.1	+0.4	13,813	13,029	13,100	13,339	12,988
	Construction materials, supplies and intermediate products.....	19,045	19,253	19,555	19,336	-1.1	-1.5	+1.1	18,999	19,253	19,738	19,547	19,544
	Other materials, supplies, and intermediate products.....	109,141	109,553	110,651	109,942	-0.4	-1.0	+0.6	109,162	110,101	111,148	111,166	112,216
	Supplementary series:[2]												
	Capital goods industries.....	98,489	98,362	98,019	97,467	+0.1	+0.3	+0.6	98,794	98,804	98,402	98,560	92,727
	Nondefense.....	72,585	73,045	73,298	73,505	-0.6	-0.3	-0.3	72,807	73,106	73,344	74,185	71,333
	Defense.....	25,904	25,317	24,721	23,962	+2.3	+2.4	+3.2	25,987	25,698	25,058	24,375	21,394
	Household durable goods industries.....	11,471	11,489	11,407	11,487	-0.2	+0.7	-0.7	11,647	11,703	11,719	11,863	11,220

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Aug. 1985p	July 1985r	June 1985	May 1985	Percent change: July-Aug.p	June-July r	May-June	Not seasonally adjusted: End of month: Aug. 1985p	July 1985r	June 1985	May 1985	Aug. 198
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,986	90,174	91,162	90,800	-0.2	-1.1	+0.4	89,690	90,089	90,793	91,008	93,34
	Durable goods industries.....	54,109	54,257	54,714	54,693	-0.3	-0.8	0.0	54,355	54,380	54,513	54,646	56,41
32	Stone, clay, and glass products...	1,835	1,881	1,872	1,870	-2.4	+0.5	+0.1	1,845	1,885	1,866	1,860	1,97
33	Primary metals.....	5,617	5,623	5,722	5,744	-0.1	-1.7	-0.4	5,609	5,575	5,630	5,607	6,90
34	Fabricated metal products.....	7,263	7,086	7,269	7,180	+2.5	-2.5	+1.2	7,272	7,154	7,282	7,229	7,31
35	Machinery, except electrical.....	11,699	11,686	11,761	11,711	+0.1	-0.6	+0.4	11,673	11,754	11,791	11,837	11,89
36	Electrical Machinery.....	8,362	8,423	8,418	8,550	-0.7	+0.1	-1.5	8,428	8,573	8,472	8,600	8,59
37	Transportation equipment.....	11,317	11,306	11,401	11,270	+0.1	-0.8	+1.2	11,455	11,188	11,365	11,295	11,34
38	Instruments and related products..	2,713	2,769	2,750	2,770	-2.0	+0.7	-0.7	2,712	2,771	2,762	2,773	2,83
24,25, 39	All other durable goods.....	5,303	5,483	5,521	5,598	-3.3	-0.7	-1.4	5,361	5,480	5,345	5,445	5,55
	Nondurable goods industries.....	35,877	35,917	36,448	36,107	-0.1	-1.5	+0.9	35,335	35,709	36,280	36,362	36,93
20	Food and kindred products.....	7,561	7,651	7,794	7,526	-1.2	-1.8	+3.6	7,141	7,324	7,485	7,483	7,48
21	Tobacco products.....	2,752	2,854	2,818	2,931	-3.6	+1.3	-3.9	2,610	2,603	2,711	2,891	2,91
22	Textile mill products.....	2,051	2,058	2,061	2,090	-0.3	-0.1	-1.4	2,046	2,109	2,101	2,158	2,25
26	Paper and allied products.....	4,722	4,621	4,721	4,811	+2.2	-2.1	-1.9	4,682	4,656	4,762	4,814	4,84
28	Chemicals and allied products.....	8,106	8,210	8,388	8,158	-1.3	-2.1	+2.8	8,123	8,280	8,308	8,234	8,35
29	Petroleum and coal products.....	1,940	1,925	1,956	1,984	+0.8	-1.6	-1.4	1,902	1,942	2,009	2,116	2,13
30	Rubber and plastics products.....	2,137	2,063	2,145	2,047	+3.6	-3.8	+4.8	2,066	2,087	2,167	2,067	2,15
23,27, 31	All other nondurable goods.....	6,608	6,535	6,565	6,560	+1.1	-0.5	+0.1	6,765	6,708	6,737	6,599	6,77
	WORK IN PROCESS												
	All manufacturing industries..	105,393	105,599	104,642	103,972	-0.2	+0.9	+0.6	105,940	105,562	104,477	104,861	101,87
	Durable goods industries.....	91,226	91,383	90,306	89,654	-0.2	+1.2	+0.7	91,582	91,245	90,230	90,373	86,54
32	Stone, clay, and glass products...	840	835	802	791	+0.6	+4.1	+1.4	824	819	822	821	77
33	Primary metals.....	7,358	7,575	7,708	7,703	-2.9	-1.7	+0.1	7,466	7,655	7,668	7,797	8,39
34	Fabricated metal products.....	6,668	6,694	6,688	6,699	-0.4	+0.1	-0.2	6,704	6,811	6,915	6,879	6,54
35	Machinery, except electrical.....	16,463	16,483	16,156	16,321	-0.1	+2.0	-1.0	16,476	16,349	16,116	16,480	16,39
36	Electrical Machinery.....	19,569	19,510	19,090	18,706	+0.3	+2.2	+2.1	19,665	19,546	19,233	18,945	16,90
37	Transportation equipment.....	32,552	32,505	32,093	31,635	+0.1	+1.3	+1.4	32,622	32,231	31,606	31,578	29,98
38	Instruments and related products..	4,164	4,173	4,164	4,160	-0.2	+0.2	+0.1	4,189	4,205	4,254	4,206	3,99
24,25, 39	All other durable goods.....	3,612	3,608	3,605	3,639	+0.1	+0.1	-0.9	3,636	3,629	3,616	3,667	3,55
	Nondurable goods industries.....	14,167	14,216	14,336	14,318	-0.3	-0.8	+0.1	14,358	14,317	14,247	14,488	15,33
20	Food and kindred products.....	1,640	1,688	1,649	1,653	-2.8	+2.4	-0.2	1,587	1,621	1,620	1,652	1,77
21	Tobacco products.....	202	202	254	234	0.0	-20.5	+8.5	173	157	161	183	17
22	Textile mill products.....	1,911	1,932	1,954	1,954	-1.1	-1.1	0.0	1,903	1,907	1,918	1,965	2,23
26	Paper and allied products.....	1,133	1,126	1,145	1,141	+0.6	-1.7	+0.4	1,165	1,144	1,170	1,156	1,11
28	Chemicals and allied products.....	3,619	3,641	3,665	3,539	-0.6	-0.7	+3.6	3,652	3,669	3,666	3,604	3,74
29	Petroleum and coal products.....	1,186	1,285	1,288	1,283	-7.7	-0.2	+0.4	1,233	1,314	1,313	1,332	1,62
30	Rubber and plastics products.....	1,161	1,181	1,153	1,178	-1.7	+2.4	-2.1	1,187	1,198	1,144	1,156	1,20
23,27, 31	All other nondurable goods.....	3,315	3,161	3,228	3,336	+4.9	-2.1	-3.2	3,458	3,307	3,255	3,440	3,45
	FINISHED GOODS												
	All manufacturing industries..	89,205	89,263	89,874	90,128	-0.1	-0.7	-0.3	89,254	89,191	90,801	91,531	87,848
	Durable goods industries.....	46,431	46,523	47,219	47,199	-0.2	-1.5	0.0	46,378	46,757	48,334	48,673	44,630
32	Stone, clay, and glass products...	3,162	3,265	3,308	3,219	-3.2	-1.3	+2.8	3,133	3,289	3,373	3,371	3,112
33	Primary metals.....	5,646	5,624	5,670	5,636	+0.4	-0.8	+0.6	5,548	5,610	5,771	5,846	5,919
34	Fabricated metal products.....	4,673	4,760	4,936	4,925	-1.8	-3.6	+0.2	4,656	4,710	5,148	5,097	4,469
35	Machinery, except electrical.....	12,740	12,812	13,092	13,241	-0.6	-2.1	-1.1	12,840	13,015	13,321	13,489	11,720
36	Electrical Machinery.....	6,491	6,571	6,762	6,701	-1.2	-2.8	+0.9	6,503	6,589	6,988	6,982	6,125
37	Transportation equipment.....	5,341	5,058	5,088	5,155	+5.6	-0.6	-1.3	5,273	5,021	5,092	5,213	4,881
38	Instruments and related products..	2,730	2,744	2,743	2,754	-0.5	0.0	-0.4	2,759	2,792	2,818	2,868	2,741
24,25, 39	All other durable goods.....	5,648	5,689	5,620	5,568	-0.7	+1.2	+0.9	5,666	5,731	5,823	5,807	5,663
	Nondurable goods industries.....	42,774	42,740	42,655	42,929	+0.1	+0.2	-0.6	42,876	42,434	42,467	42,858	43,218
20	Food and kindred products.....	12,367	12,133	11,982	12,303	+1.9	+1.3	-2.6	12,669	11,554	11,087	11,528	12,484
21	Tobacco products.....	266	261	229	261	+1.9	+14.0	-12.3	247	245	244	270	213
22	Textile mill products.....	2,630	2,672	2,722	2,703	-1.6	-1.8	+0.7	2,626	2,688	2,806	2,825	2,851
26	Paper and allied products.....	3,788	3,786	3,812	3,738	+0.1	-0.7	+2.0	3,714	3,788	3,914	3,949	3,429
28	Chemicals and allied products.....	9,974	10,036	9,997	9,802	-0.6	+0.4	+2.0	9,825	9,941	9,892	9,844	9,691
29	Petroleum and coal products.....	4,223	4,526	4,709	4,916	-6.7	-3.9	-4.2	4,233	4,486	4,515	4,618	5,108
30	Rubber and plastics products.....	2,965	2,899	2,796	2,830	+2.3	+3.7	-1.2	2,869	2,866	2,914	3,016	2,790
23,27, 31	All other nondurable goods.....	6,561	6,427	6,408	6,376	+2.1	+0.3	+0.5	6,693	6,866	7,095	6,808	6,652

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Aug. 1985p	July 1985r	June 1985	May 1985	Aug. 1985p	July 1985r	June 1985	May 1985
	All manufacturing industries	1.45	1.47	1.47	1.46	3.41	3.41	3.39	3.38
	Durable goods industries	1.82	1.88	1.87	1.86	4.11	4.14	4.11	4.12
32	Stone, clay, and glass products	1.26	1.24	1.26	1.22	0.59	0.57	0.57	0.56
33	Primary metals	1.69	1.76	1.82	1.80	1.78	1.85	1.89	1.85
34	Fabricated metal products	1.28	1.29	1.36	1.35	1.49	1.51	1.58	1.61
35	Machinery, except electrical	2.33	2.34	2.28	2.28	3.73	3.70	3.59	3.61
36	Electrical machinery	2.21	2.30	2.19	2.29	5.23	5.48	5.24	5.51
37	Transportation equipment	1.83	1.96	2.00	1.91	10.50	10.49	10.90	10.78
38	Instruments and related products	2.07	2.01	1.97	2.04	1.86	1.79	1.74	1.80
	Nondurable goods industries	1.02	1.02	1.02	1.02	0.49	0.49	0.49	0.47
20	Food and kindred products	0.90	0.86	0.89	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	1.97	2.26	1.65	1.87	(X)	(X)	(X)	(X)
22	Textile mill products	1.52	1.53	1.59	1.57	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.20	1.17	1.19	1.18	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.20	1.20	1.23	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.45	0.48	0.49	0.50	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.62	1.54	1.56	1.48	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Aug. 1984	All Augs. 1980-1984	Aug. 1984-July 1985	Year ago Aug. 1984	All Augs. 1980-1984	Aug. 1984-July 1985	Year ago Aug. 1984	All Augs. 1980-1984	Aug. 1984-July 1985	Year ago Aug. 1984	All Augs. 1980-1984	Aug. 1984-July 1985
	All manufacturing industries.	0.0	0.4	0.2	0.1	0.2	0.3	0.0	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.0	0.3	0.4	0.2	0.6	0.5	0.0	0.1	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products	0.1	1.1	0.7	0.0	1.3	1.1	0.2	0.9	1.3	0.1	0.5	0.5
33	Primary metals	0.0	0.5	0.6	0.3	0.7	1.0	0.2	0.1	0.4	0.0	0.1	0.2
34	Fabricated metal products	0.2	0.7	0.9	0.1	1.2	0.9	0.2	0.3	0.2	0.2	0.3	0.4
35	Machinery, except electrical	0.5	1.6	0.8	0.9	2.9	0.5	0.2	0.4	0.2	0.1	0.1	0.1
36	Electrical machinery	0.3	0.6	1.1	0.8	1.4	1.3	0.1	0.2	0.4	0.0	0.1	0.2
37	Transportation equipment	0.9	0.8	0.6	0.8	1.1	0.8	0.0	0.2	0.1	0.0	0.1	0.2
38	Instruments and related products.	0.9	0.5	0.9	0.1	0.4	1.6	0.6	0.4	0.6	0.1	0.1	0.3
	Nondurable goods industries	0.1	0.4	0.2	0.1	0.4	0.2	0.1	0.9	0.4	0.1	0.3	0.2
20	Food and kindred products	0.8	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	1.0	0.3
21	Tobacco products	0.0	0.0	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0	0.3
22	Textile mill products	0.1	0.6	1.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.3	0.4
26	Paper and allied products	0.2	0.9	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.6	0.3
28	Chemicals and allied products	0.6	1.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
29	Petroleum and coal products	0.2	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.3	1.0	0.5
30	Rubber and plastics products	1.5	0.9	1.5	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5	0.3
	Capital Goods Industries:												
	Nondefense	0.1	1.0	1.1	0.7	1.9	1.1	0.1	0.2	0.1	0.0	0.1	0.1
	Defense	2.0	1.4	1.2	1.2	3.1	3.7	0.0	0.3	0.2	0.1	0.1	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U.S. DEPARTMENT OF COMMERC
COM-2

First Class M

CURRENT INDUSTRIAL REPORTS

FEB 27 1986
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

SEPTEMBER 1985
M3-1(85)-9
For Wire Transmission 10:00a.m. E.S.T. Thursday, October 31, 1985

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

3,158!
M 3-1(85)-9

SUMMARY. New orders for manufactured goods in September declined $1.1 billion or 0.6 percent from August to $197.7 billion. Both the durable and nondurable sectors had declines. Durables decreased 0.8 percent and nondurables 0.3 percent. Excluding a large decline in defense capital goods, manufacturers' new orders increased 0.3 percent.

Shipments of manufactured goods declined $2.6 billion or 1.3 percent to $194.0 billion, offsetting the August increase of 1.4 percent. Durable goods were down 2.0 percent and nondurables 0.5 percent.

Manufacturers' unfilled orders increased $3.7 billion or 1.0 percent to $367.3 billion. This is the 5th consecutive monthly increase since the backlog declined to $354.7 billion in April.

Manufacturers' inventories at the end of September were $284.2 billion, down $0.5 billion or 0.2 percent from August. This is the 5th decrease in total inventories in the last 6 months, although all of the declines have been small. The inventory to shipments ratio in September was 1.46 up from 1.45 in August.

NEW ORDERS. The durable goods new order decline of 0.8 percent resulted from large offsetting movements in several industries. Transportation equipment was down $1.4 billion or 4.6 percent to $28.5 billion, as a large decline in defense aircraft more than offset increases in nondefense aircraft and defense shipbuilding. Primary metals were down $1.0 billion or 8.6 percent to $10.1 billion; about two-thirds of the decline was in the steel industry. Nonelectrical machinery was down $0.6 billion or 3.6 percent to $17.2 billion, with most of the categories decreasing. Electrical machinery had the only large increase, up $2.1 billion or 14.0 percent to $16.7 billion; communication equipment, both defense and nondefense, accounted for most of the increase.

The decline in the nondurable goods industries of $0.3 billion or 0.3 percent to $90.8 billion also resulted from offsetting movements in the specific industries. The largest increases were in food products, paper, and printing and publishing; the largest declines were in chemicals and petroleum products.

SHIPMENTS. The 2.0 percent decline in durable goods shipments reflected declines in nearly every category. Transportation equipment was down $0.7 billion or 2.8 percent to $26.1 billion, although the motor vehicle industry increased 0.9 percent. Primary metals were down $0.7 billion or 6.2 percent, nonelectrical machinery $0.4 billion or 2.2 percent, and electrical machinery $0.1 billion or 0.9 percent.

The 0.5 percent decline in the nondurable goods sector resulted mostly from declines in petroleum products, chemicals, and apparel, with partially offsetting increases in printing and publishing, foods, and textiles.

UNFILLED ORDERS. The increase of 1.0 percent in manufacturers' unfilled orders was concentrated in transportation equipment and electrical machinery. Transportation was up $2.3 billion or 1.5 percent to $155.5 billion with aircraft increasing $2.4 billion or 1.9 percent. Electrical machinery was up $1.3 billion or 1.6 percent to $82.8 billion, with communication equipment increasing $1.2 billion or 2.? percent. In the other major categories, fabricated metals were up 1.0 percent, nonelectrical machinery was flat, and primary metals down 0.8 percent.

INVENTORIES. Inventories of durable goods manufacturers have shown virtually no change the last 3 months, with increases in transportation equipment offsetting declines in most of the other major industries. Transportation was up 1.1 percent in both August and September and 0.6 percent in July; aircraft increased all 3 months, and motor vehicles 2 of these 3 months. The largest declines in September were in nonelectrical machinery and primary metals.

The declines in nondurable goods inventories totalling 0.6 percent were concentrated in the food and petroleum products industries; food products were down 1.9 percent and petroleum 4.4 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for October is scheduled for release on November 26, 1985 at 8:30 a.m. and the full report on December 4, 1985 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/227–1927) or (800/982–5838 in California) and the Glimpse Corporation (703/836–6800). Further information about accessing CENDATA can be obtained from these companies. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1985p	Aug. 1985r	July 1985	June 1985	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1985p	Aug. 1985r	July 1985	June 1985	1985p	1984
	All manufacturing industries	194,027	196,593	193,793	193,871	-1.3	+1.4	0.0	204,293	194,000	179,513	207,055	1,749,110	1,698,960
	Manufacturing industries with unfilled orders	105,681	106,763	105,883	106,043	-1.0	+0.8	-0.2	111,387	105,027	96,643	113,445	945,814	894,214
	Durable goods industries	103,187	105,311	102,478	102,657	-2.0	+2.8	-0.2	108,668	101,590	92,728	112,012	927,116	877,796
	With unfilled orders	84,026	85,910	84,890	84,943	-2.2	+1.2	-0.1	88,721	83,761	77,082	92,021	757,420	711,623
32	Stone, clay, and glass products	4,758	4,747	4,808	4,753	+0.2	-1.3	+1.2	5,198	5,055	4,753	5,231	43,346	41,255
322	Glass containers	402	415	419	379	-3.1	-1.0	+10.6	416	449	416	423	3,683	3,550
33	Primary metals	10,254	10,932	10,666	10,481	-6.2	+2.5	+1.8	10,330	10,726	9,710	11,236	95,991	100,711
331	Blast furnaces, steel mills	4,452	4,550	4,419	4,377	-2.2	+3.0	+1.0	4,363	4,432	4,030	4,749	40,167	41,566
333-9	Nonferrous and other primary metals	4,608	5,139	4,975	4,924	-10.3	+3.3	+1.0	4,779	5,057	4,572	5,180	44,696	47,691
34	Fabricated metal products	14,532	14,546	14,404	13,854	-0.1	+1.0	+4.0	15,324	14,811	13,459	14,982	125,815	102,254
341	Metal cans, barrels, and drums	827	970	1,028	957	-14.7	-5.6	+7.4	935	1,146	1,120	1,084	8,848	8,556
35	Machinery, except electrical	17,173	17,566	17,549	17,979	-2.2	+0.1	-2.4	18,249	16,273	15,827	19,867	157,957	154,982
351	Engines and turbines	1,255	1,225	1,239	1,326	+2.4	-1.1	-6.6	1,315	1,129	1,100	1,471	11,283	11,264
352	Farm machinery and equipment	847	919	828	817	-7.8	+11.0	+1.3	875	748	668	899	7,790	8,051
353	Construction, mining, and material handling equipment	2,573	2,856	2,900	2,737	-9.9	-1.5	+6.0	2,743	2,602	2,848	2,992	24,966	24,375
354	Metalworking machinery	793	825	911	908	-3.9	-9.4	+0.3	866	774	800	953	7,539	7,268
356	General industrial machinery	1,455	1,380	1,329	1,414	+5.4	+3.8	-6.0	1,483	1,388	1,231	1,458	12,525	12,591
357	Office and computing machines	4,587	4,428	4,474	5,017	+3.6	-1.0	-10.8	5,147	4,118	3,731	5,669	40,133	38,742
36	Electrical machinery	15,396	15,539	15,012	15,669	-0.9	+3.5	-4.2	16,345	15,064	13,586	16,844	136,444	134,985
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,014	2,149	2,052	2,166	-6.3	+4.7	-5.3	2,172	2,072	1,788	2,328	18,361	18,450
363	Household appliances	1,459	1,331	1,361	1,494	+9.6	-2.2	-8.9	1,598	1,414	1,347	1,642	12,927	13,296
365	Radio and TV	886	894	901	843	-0.9	-0.8	+6.9	1,046	873	815	978	8,045	7,579
366	Communication equipment	5,507	5,287	4,865	5,229	+4.2	+8.7	-7.0	5,601	5,010	4,410	5,657	45,409	39,988
367	Electronic components	3,047	3,212	3,159	3,315	-5.1	+1.7	-4.7	3,239	3,138	2,865	3,517	29,553	33,725
37	Transportation equipment	26,139	26,879	24,985	24,335	-2.8	+7.6	+2.7	27,157	24,088	21,466	27,268	232,043	212,626
371	Motor vehicles and parts	17,302	17,141	15,836	15,291	+0.9	+8.2	+3.6	17,921	15,063	13,113	17,499	152,603	142,809
372,6	Aircraft, missiles, and parts	7,281	7,984	7,629	7,367	-8.8	+4.7	+3.6	7,736	7,408	6,932	8,006	64,536	54,960
3731,95	Shipbuilding and military tank vehicles	773	854	759	857	-9.5	+12.5	-11.4	782	823	740	895	7,405	7,649
38	Instruments and related products	4,542	4,706	4,829	4,896	-3.5	-2.5	-1.4	4,913	4,630	4,430	5,252	42,114	39,691
381-4	Scientific and engineering instruments	2,982	3,109	3,141	3,308	-4.1	-1.0	-5.0	3,215	3,047	2,830	3,506	27,716	24,545
386	Photographic goods	1,385	1,408	1,501	1,393	-1.6	-6.2	+7.8	1,505	1,390	1,421	1,537	12,672	13,341
24,25, 39	All other durable goods	10,393	10,396	10,225	10,690	0.0	+1.7	-4.3	11,152	10,943	9,497	11,332	93,406	91,290
	Nondurable goods industries	90,840	91,282	91,315	91,214	-0.5	0.0	+0.1	95,625	92,410	86,785	95,043	821,994	821,164
	With unfilled orders	21,655	20,853	20,993	21,100	+3.8	-0.7	-0.5	22,666	21,266	19,561	21,424	188,394	182,593
20	Food and kindred products	24,558	24,286	24,895	24,139	+1.1	-2.4	+3.1	26,153	24,285	23,581	25,276	222,030	220,450
201	Meat products	5,412	5,500	5,815	5,675	-1.6	-5.4	+2.5	5,531	5,681	5,617	5,794	50,636	52,315
208	Beverages	3,901	3,887	3,727	3,634	+0.4	+4.3	+2.6	3,928	4,155	3,995	4,179	34,501	32,868
207	Fats and oils	1,100	1,130	1,142	1,183	-2.7	-1.1	-3.5	1,115	1,102	1,089	1,201	10,344	11,969
203-6,9	All other foods	10,932	10,542	10,907	10,480	+3.7	-3.3	+4.1	12,266	10,120	9,576	10,773	97,220	94,633
21	Tobacco products	1,684	1,634	1,465	2,006	+3.1	+11.5	-27.0	1,868	1,727	1,349	2,199	14,887	12,479
22	Textile mill products	4,463	4,355	4,351	4,248	+2.5	+0.1	+2.4	4,816	4,544	3,718	4,651	39,005	42,035
26	Paper and allied products	8,112	8,090	8,135	8,131	+0.3	-0.6	0.0	8,277	8,251	7,702	8,491	73,638	72,214
261-3,6	Pulp, paper etc.	3,378	3,521	3,464	3,369	-4.1	+1.6	+2.8	3,412	3,549	3,246	3,544	31,502	31,306
265	Paperboard containers	1,753	1,735	1,754	1,781	+1.0	-1.1	-1.5	1,809	1,778	1,663	1,856	16,423	16,268
264	All other paper products	2,981	2,834	2,917	2,981	+5.2	-2.8	-2.1	3,056	2,924	2,793	3,091	25,713	24,640
28	Chemicals and allied products	17,770	18,110	18,184	17,982	-1.9	-0.4	+1.1	18,500	17,578	16,687	19,194	163,013	160,808
281,6	Industrial chemicals, except pigments	6,071	5,802	5,966	6,116	+4.6	-2.7	-2.5	6,095	5,698	5,608	6,483	53,953	51,718
283,4	Drugs, soaps, and toiletries	4,637	4,722	4,670	4,934	-1.8	+1.1	-5.4	5,444	4,755	4,222	5,269	41,889	40,404
29	Petroleum and coal products	15,555	16,281	15,975	16,308	-4.5	+1.9	-2.0	15,938	16,463	16,029	16,812	143,888	150,808
30	Rubber and plastics products	3,766	3,826	3,977	3,903	-1.6	-3.8	+1.9	4,016	3,947	3,829	4,208	36,364	39,551
23,27, 31	All other nondurable goods	14,932	14,700	14,333	14,497	+1.6	+2.6	-1.1	16,057	15,615	13,890	14,212	129,169	122,818
	Market categories:													
	Home goods and apparel	13,171	13,509	13,021	13,173	-2.5	+3.7	-1.2	14,802	14,802	12,107	13,667	118,436	117,637
	Consumer staples	34,940	34,250	34,704	34,802	+2.0	-1.3	-0.3	37,511	34,323	32,785	36,390	310,883	300,080
	Equipment and defense products, except automotive	29,763	30,519	29,992	31,123	-2.5	+1.8	-3.6	31,653	28,805	27,121	33,871	267,285	246,883
	Automotive equipment	19,160	18,973	17,631	17,190	+1.0	+7.6	+2.6	19,814	16,928	14,871	19,587	170,185	161,401
	Construction materials, supplies and intermediate products	17,738	17,624	17,442	17,488	+0.6	+1.0	-0.3	19,063	18,585	17,291	19,158	155,554	132,313
	Other materials, supplies, and intermediate products	79,255	81,718	81,003	80,095	-3.0	+0.9	+1.1	81,450	80,557	75,338	84,382	726,767	740,642
	Supplementary series:[2]													
	Capital goods industries	33,622	34,952	33,869	34,703	-3.8	+3.2	-2.4	35,650	32,807	30,648	37,752	300,366	282,092
	Nondefense	26,553	27,788	27,042	27,482	-4.4	+2.8	-1.6	28,246	25,916	24,343	30,218	239,911	229,610
	Defense	7,069	7,164	6,827	7,221	-1.3	+4.9	-5.5	7,404	6,891	6,305	7,534	60,455	52,479
	Household durable goods industries	6,532	6,444	6,377	6,608	+1.4	+1.1	-3.5	7,410	6,755	5,626	6,958	58,164	55,678

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1985p	Aug. 1985r	July 1985	June 1985	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1985p	Aug. 1985r	July 1985	June 1985	1985p	1984
	All manufacturing industries	197,677	198,782	195,793	198,261	-0.6	+1.5	-1.2	206,024	192,940	179,067	208,112	1,756,997	1,725,590
	Manufacturing industries with unfilled orders	109,331	108,952	107,883	110,433	+0.3	+1.0	-2.3	113,118	103,967	96,197	114,502	953,700	920,850
	Durable goods industries	106,849	107,661	104,370	106,780	-0.8	+3.2	-2.3	110,499	100,755	92,085	112,968	934,751	904,626
	With unfilled orders	87,688	88,260	86,782	89,066	-0.6	+1.7	-2.6	90,552	82,926	76,439	92,977	765,055	738,444
32	Stone, clay, and glass products	4,771	4,764	4,793	4,773	+0.1	-0.6	+0.4	5,154	5,013	4,759	5,216	43,440	41,708
33	Primary metals	10,087	11,038	10,604	10,736	-8.6	+4.1	-1.2	9,832	10,722	9,493	10,860	96,420	99,735
331	Blast furnaces, steel mills	4,161	4,826	4,509	4,344	-13.8	+7.0	+3.8	3,872	4,672	4,019	4,265	40,345	40,036
333-9	Nonferrous and other primary metals	4,634	4,919	4,859	5,229	-5.8	+1.2	-7.1	4,697	4,846	4,329	5,364	44,632	47,596
34	Fabricated metal products	14,740	14,560	14,206	13,426	+1.2	+2.5	+5.8	15,462	14,730	13,207	14,691	125,202	103,435
35	Machinery, except electrical	17,163	17,812	17,766	17,822	-3.6	+0.3	-0.3	17,713	16,223	15,294	19,421	157,999	159,589
351	Engines and turbines	1,195	1,306	1,332	1,476	-8.5	-2.0	-9.8	1,156	1,362	1,257	1,431	10,719	11,805
353	Construction, mining, and material handling equipment	2,600	2,921	2,964	2,756	-11.0	-1.5	+7.5	2,763	2,577	2,936	2,964	25,072	24,782
354	Metalworking machinery	954	710	1,046	992	+34.4	-32.1	+5.4	911	784	979	1,079	8,428	8,398
356	General industrial machinery	1,495	1,345	1,331	1,479	+11.2	+1.1	-10.0	1,458	1,358	1,228	1,483	12,425	12,657
357	Office and computing machines	4,464	4,782	4,308	4,712	-6.6	+11.0	-8.6	4,877	3,874	2,905	5,525	40,591	40,227
36	Electrical machinery	16,735	14,685	15,189	16,200	+14.0	-3.3	-6.2	17,461	14,317	13,246	16,502	140,795	146,733
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,043	2,174	2,085	1,955	-6.0	+4.3	+6.6	2,164	2,124	1,820	2,046	18,272	18,418
363	Household appliances	1,486	1,325	1,373	1,509	+12.2	-3.5	-9.0	1,594	1,406	1,368	1,647	12,989	13,287
365	Radio and TV	949	859	841	687	+10.5	+2.1	+22.4	1,089	975	758	910	8,249	8,158
366	Communication equipment	6,739	5,112	5,033	6,675	+31.8	+1.6	-24.6	7,068	4,881	3,994	6,491	52,750	47,432
367	Electronic components	2,910	2,568	3,167	2,805	+13.3	-18.9	+12.9	2,768	2,356	2,906	2,743	26,299	37,405
37	Transportation equipment	28,479	29,861	26,730	28,300	-4.6	+11.7	-5.5	29,291	24,359	21,964	29,760	234,527	220,569
372,6	Aircraft, missiles, and parts	9,673	11,321	9,336	10,573	-14.6	+21.3	-11.7	10,012	8,195	7,438	10,411	69,629	65,633
3731,95	Shipbuilding and military tank vehicles	920	384	1,101	1,409	+139.6	-65.1	-21.9	885	180	816	943	5,523	5,661
38	Instruments and related products	4,487	4,752	4,950	4,868	-5.6	-4.0	+1.7	4,795	4,682	4,537	5,318	42,457	40,271
24,25, 39	All other durable goods	10,387	10,189	10,132	10,655	+1.9	+0.6	-4.9	10,791	10,709	9,585	11,200	93,911	92,586
	Nondurable goods industries	90,828	91,121	91,423	91,481	-0.3	-0.3	-0.1	95,525	92,185	86,982	95,144	822,246	820,964
	With unfilled orders	21,643	20,692	21,101	21,367	+4.6	-1.9	-1.2	22,566	21,041	19,758	21,525	188,645	182,406
	Market categories:													
	Home goods and apparel	13,168	13,448	12,964	13,210	-2.1	+3.7	-1.9	14,431	14,756	12,236	13,661	119,244	119,228
	Consumer staples	34,938	34,205	34,696	34,770	+2.1	-1.4	-0.2	37,535	34,311	32,803	36,353	310,890	300,054
	Equipment and defense products, except automotive	32,228	32,386	31,800	33,946	-0.5	+1.8	-6.3	33,802	27,911	26,212	34,805	273,791	264,783
	Automotive equipment	18,965	19,112	17,357	17,438	-0.8	+10.1	-0.5	19,587	17,106	14,796	19,668	169,574	160,549
	Construction materials, supplies and intermediate products	18,036	17,640	17,339	17,324	+2.2	+1.7	+0.1	19,271	18,531	17,175	19,005	155,909	132,838
	Other materials, supplies, and intermediate products	80,342	81,991	81,637	81,573	-2.0	+0.4	+0.1	81,398	80,325	75,845	84,620	727,589	748,136
	Supplementary series:[2]													
	Capital goods industries	37,489	37,824	36,279	39,222	-0.9	+4.3	-7.5	39,020	32,728	30,240	40,096	310,439	303,711
	Nondefense	28,973	27,554	26,685	27,984	+5.1	+3.3	-4.6	29,686	25,428	23,447	30,297	240,037	242,237
	Defense	8,516	10,270	9,594	11,238	-17.1	+7.0	-14.6	9,334	7,300	6,793	9,799	70,402	61,474
	Household durable goods industries	6,552	6,328	6,291	6,616	+3.5	+0.6	-4.9	7,082	6,691	5,708	6,933	58,810	57,282

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1985p	Aug. 1985r	July 1985	June 1985	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1985p	Aug. 1985r	July 1985	June 1985	Sept. 1984
	All manufacturing industries..	367,341	363,691	361,502	359,502	+1.0	+0.6	+0.6	360,827	359,096	360,156	360,602	354,888
	Durable goods industries.....	357,154	353,492	351,142	349,250	+1.0	+0.7	+0.5	350,662	348,831	349,666	350,309	344,549
32	Stone, clay, and glass products...	2,520	2,507	2,490	2,505	+0.5	+0.7	-0.6	2,491	2,535	2,577	2,571	2,397
33	Primary metals.....	19,688	19,855	19,749	19,811	-0.8	+0.5	-0.3	18,933	19,431	19,435	19,652	19,333
331	Blast furnaces, steel mills.....	9,070	9,361	9,085	8,995	-3.1	+3.0	+1.0	8,580	9,071	8,831	8,842	8,160
333-9	Nonferrous and other primary metals.....	7,218	7,192	7,412	7,528	+0.4	-3.0	-1.5	7,052	7,134	7,345	7,588	7,977
34	Fabricated metal products.....	20,436	20,228	20,214	20,412	+1.0	+0.1	-1.0	20,568	20,430	20,511	20,763	21,300
35	Machinery, except electrical.....	62,110	62,120	61,874	61,657	0.0	+0.4	+0.4	61,014	61,550	61,600	62,133	62,741
351	Engines and turbines.....	14,700	14,760	14,679	14,586	-0.4	+0.6	+0.6	14,598	14,757	14,524	14,367	15,262
353	Construction, mining, and material handling equipment....	6,071	6,044	5,979	5,915	+0.4	+1.1	+1.1	5,998	5,978	6,003	5,915	6,075
354	Metalworking machinery.....	4,496	4,335	4,450	4,315	+3.7	-2.6	+3.1	4,532	4,487	4,477	4,298	3,504
356	General industrial machinery....	4,621	4,581	4,616	4,614	+0.9	-0.8	0.0	4,561	4,586	4,616	4,619	4,713
357	Office and computing machines...	21,325	21,448	21,094	21,260	-0.6	+1.7	-0.8	20,728	20,998	21,242	22,068	21,631
36	Electrical machinery.....	82,762	81,423	82,277	82,100	+1.6	-1.0	+0.2	82,266	81,150	81,897	82,237	80,915
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,120	6,091	6,066	6,033	+0.5	+0.4	+0.5	6,093	6,101	6,049	6,017	6,209
363	Household appliances.....	421	394	400	388	+6.9	-1.5	+3.1	425	429	437	416	452
365	Radio and TV.....	459	396	431	491	+15.9	-8.1	-12.2	639	596	494	551	975
366	Communication equipment.....	58,384	57,152	57,327	57,159	+2.2	-0.3	+0.3	57,910	56,443	56,572	56,988	49,636
367	Electronic components.....	15,832	15,969	16,613	16,605	-0.9	-3.9	0.0	15,642	16,113	16,895	16,854	22,150
37	Transportation equipment.....	155,460	153,120	150,138	148,393	+1.5	+2.0	+1.2	151,045	148,911	148,640	148,142	143,278
372,6	Aircraft, missiles, and parts...	129,171	126,779	123,442	121,735	+1.9	+2.7	+1.4	125,630	123,354	122,567	122,061	115,002
3731,95	Shipbuilding and military tank vehicles.....	19,681	19,534	20,004	19,662	+0.8	-2.3	+1.7	18,975	18,872	19,515	19,439	20,668
38	Instruments and related products..	8,645	8,700	8,654	8,533	-0.6	+0.5	+1.4	8,657	8,775	8,723	8,616	8,238
24,25, 39	All other durable goods.....	5,533	5,539	5,746	5,839	-0.1	-3.6	-1.6	5,688	6,049	6,283	6,195	6,348
	Nondurable goods industries.....	10,187	10,199	10,360	10,252	-0.1	-1.6	+1.1	10,165	10,265	10,490	10,293	10,339
	Market categories:												
	Home goods and apparel.....	4,372	4,375	4,436	4,493	-0.1	-1.4	-1.3	4,636	5,007	5,053	4,924	5,600
	Consumer staples.....	608	610	655	663	-0.3	-6.9	-1.2	640	616	628	610	677
	Equipment and defense products, except automotive.....	231,677	229,212	227,345	225,537	+1.1	+0.8	+0.8	226,407	224,258	225,152	226,061	214,792
	Automotive equipment.....	6,035	6,230	6,091	6,365	-3.1	+2.3	-4.3	5,878	6,105	5,927	6,002	6,928
	Construction materials, supplies and intermediate products.....	12,472	12,174	12,158	12,261	+2.4	+0.1	-0.8	12,550	12,342	12,396	12,512	12,370
	Other materials, supplies, and intermediate products.....	112,177	111,090	110,817	110,183	+1.0	+0.2	+0.6	110,716	110,768	111,000	110,493	114,520
	Supplementary series:[2]												
	Capital goods industries.....	279,696	275,829	272,957	270,547	+1.4	+1.1	+0.9	273,929	270,559	270,638	271,046	258,526
	Nondefense.....	134,401	131,981	132,215	132,572	+1.8	-0.2	-0.3	132,954	131,514	132,002	132,898	135,725
	Defense.....	145,295	143,848	140,742	137,975	+1.0	+2.2	+2.0	140,975	139,045	138,636	138,148	122,801
	Household durable goods industries.....	3,808	3,788	3,904	3,990	+0.5	-3.0	-2.2	4,077	4,405	4,469	4,387	5,102

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1985P	Aug. 1985r	July 1985	June 1985	Aug.-Sept.P	July-Aug.r	June-July	Sept. 1985P	Aug. 1985r	July 1985	June 1985	Sept. 1984
	All manufacturing industries..	284,190	284,688	285,036	285,678	-0.2	-0.1	-0.2	282,731	284,979	284,842	286,071	283,187
	Manufacturing industries with unfilled orders.....	200,155	199,919	199,790	200,119	+0.1	+0.1	-0.2	199,354	200,734	200,803	201,564	196,038
	Durable goods industries.....	192,066	192,037	192,163	192,239	0.0	-0.1	0.0	191,265	192,582	192,382	193,077	187,888
	With unfilled orders.....	176,556	176,423	176,573	176,654	+0.1	-0.1	0.0	176,029	177,020	177,094	177,538	172,470
32	Stone, clay, and glass products...	5,847	5,826	5,981	5,982	+0.4	-2.6	0.0	5,694	5,791	5,993	6,061	5,774
322	Glass containers.....	616	604	609	611	+2.0	-0.8	-0.3	602	608	613	620	633
33	Primary metals.....	18,457	18,597	18,822	19,100	-0.8	-1.2	-1.5	18,394	18,599	18,840	19,069	21,208
331	Blast furnaces, steel mills.....	8,275	8,362	8,427	8,587	-1.0	-0.8	-1.9	8,333	8,437	8,511	8,527	10,061
333-9	Nonferrous and other primary metals.....	8,931	8,980	9,133	9,223	-0.5	-1.7	-1.0	8,824	8,935	9,096	9,251	9,915
34	Fabricated metal products.....	18,898	18,622	18,540	18,893	+1.5	+0.4	-1.9	18,560	18,649	18,675	19,345	18,419
341	Metal cans, barrels, and drums..	2,333	2,216	2,243	2,309	+5.3	-1.2	-2.9	1,999	2,145	2,371	2,575	1,815
35	Machinery, except electrical.....	40,371	40,874	40,981	41,009	-1.2	-0.3	-0.1	40,209	40,959	41,118	41,228	39,674
351	Engines and turbines.....	1,964	2,048	2,032	2,101	-4.1	+0.8	-3.3	1,928	2,015	2,030	2,099	2,250
352	Farm machinery and equipment....	1,774	1,823	1,840	1,771	-2.7	-0.9	+3.9	1,788	1,816	1,811	1,815	1,967
353	Construction, mining, and material handling equipment....	6,478	6,493	6,544	6,605	-0.2	-0.8	-0.9	6,407	6,499	6,511	6,645	6,901
354	Metalworking machinery.....	2,793	2,789	2,758	2,744	+0.1	+1.1	+0.5	2,776	2,820	2,786	2,771	2,395
356	General industrial machinery....	3,459	3,530	3,513	3,505	-2.0	+0.5	+0.2	3,424	3,488	3,517	3,540	3,466
357	Office and computing machines...	12,617	12,694	12,730	12,791	-0.6	-0.3	-0.5	12,693	12,922	12,985	12,842	11,749
36	Electrical machinery.....	34,376	34,443	34,504	34,270	-0.2	-0.2	+0.7	34,215	34,616	34,708	34,693	31,773
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,546	4,527	4,544	4,537	+0.4	-0.4	+0.2	4,527	4,540	4,553	4,587	4,435
363	Household appliances.....	2,395	2,589	2,532	2,497	-7.5	+2.3	+1.4	2,256	2,532	2,557	2,627	2,349
365	Radio and TV.....	1,375	1,372	1,400	1,396	+0.2	-2.0	+0.3	1,427	1,447	1,453	1,442	1,335
366	Communication equipment.....	14,959	14,851	14,770	14,508	+0.7	+0.5	+1.8	14,923	14,890	14,822	14,502	12,724
367	Electronic components.....	6,331	6,337	6,438	6,516	-0.1	-1.6	-1.2	6,293	6,369	6,489	6,575	6,305
37	Transportation equipment.....	49,926	49,384	48,869	48,582	+1.1	+1.1	+0.6	49,971	49,525	48,440	48,063	46,889
371	Motor vehicles and parts.....	11,431	11,555	11,262	11,127	-1.1	+2.6	+1.2	11,584	11,659	10,762	10,756	10,897
372,6	Aircraft, missiles, and parts...	35,289	34,695	34,514	34,435	+1.7	+0.5	+0.2	35,207	34,826	34,675	34,352	32,830
3731,95	Shipbuilding and military tank vehicles.....	1,502	1,465	1,434	1,378	+2.5	+2.2	+4.1	1,511	1,433	1,438	1,385	1,416
38	Instruments and related products..	9,612	9,651	9,686	9,657	-0.4	-0.4	+0.3	9,600	9,704	9,768	9,834	9,357
381-4	Scientific and engineering instruments.....	6,987	6,997	6,981	6,927	-0.1	+0.2	+0.8	6,952	6,990	7,030	7,045	6,701
386	Photographic goods.....	1,996	2,031	2,074	2,102	-1.7	-2.1	-1.3	2,022	2,086	2,097	2,144	2,070
24,25, 39	All other durable goods.....	14,579	14,640	14,780	14,746	-0.4	-0.9	+0.2	14,622	14,739	14,840	14,784	14,793
	Nondurable goods industries.....	92,124	92,651	92,873	93,439	-0.6	-0.2	-0.6	91,466	92,397	92,460	92,994	95,299
	With unfilled orders.....	23,599	23,496	23,217	23,465	+0.4	+1.2	-1.1	23,325	23,714	23,709	24,026	23,568
20	Food and kindred products.....	21,083	21,492	21,472	21,425	-1.9	+0.1	+0.2	21,328	21,325	20,499	20,192	21,890
201	Meat products.....	2,278	2,337	2,325	2,231	-2.5	+0.5	+4.2	2,132	2,204	2,248	2,231	2,131
208	Beverages.....	3,467	3,559	3,556	3,491	-2.6	+0.1	+1.9	3,380	3,406	3,456	3,481	3,433
207	Fats and oils.....	1,209	1,255	1,194	1,145	-3.7	+5.1	+4.3	949	1,034	1,033	1,061	989
203-6,9	All other foods.....	12,406	12,631	12,682	12,775	-1.8	-0.4	-0.7	13,163	12,947	11,997	11,600	13,528
21	Tobacco products.....	3,227	3,220	3,317	3,301	+0.2	-2.9	+0.5	3,208	3,030	3,005	3,116	3,560
22	Textile mill products.....	6,566	6,598	6,662	6,737	-0.5	-1.0	-1.1	6,436	6,581	6,704	6,825	7,161
26	Paper and allied products.....	9,654	9,650	9,533	9,678	0.0	+1.2	-1.5	9,439	9,568	9,588	9,846	9,376
261-3,6	Pulp, paper etc.....	3,728	3,695	3,760	3,774	+0.9	-1.7	-0.4	3,657	3,688	3,762	3,809	3,480
265	Paperboard containers.....	2,330	2,345	2,263	2,442	-0.6	+3.6	-7.3	2,293	2,343	2,306	2,503	2,588
264	All other paper products.....	3,596	3,610	3,510	3,462	-0.4	+2.8	+1.4	3,489	3,537	3,520	3,534	3,308
28	Chemicals and allied products.....	21,903	21,826	21,887	22,050	+0.4	-0.3	-0.7	21,446	21,727	21,890	21,866	21,794
281,6	Industrial chemicals, except pigments.....	6,796	6,692	6,633	6,621	+1.6	+0.9	+0.2	6,694	6,699	6,666	6,608	7,126
283,4	Drugs, soaps, and toiletries....	6,834	6,901	6,945	6,871	-1.0	-0.6	+1.1	6,718	6,908	6,980	6,974	6,679
29	Petroleum and coal products.....	7,042	7,366	7,736	7,953	-4.4	-4.8	-2.7	7,159	7,385	7,742	7,837	8,914
30	Rubber and plastics products.....	6,266	6,248	6,143	6,094	+0.3	+1.7	+0.8	6,102	6,107	6,151	6,225	5,999
23,27, 31	All other nondurable goods.....	16,383	16,251	16,123	16,201	+0.8	+0.8	-0.5	16,348	16,674	16,881	17,087	16,605
	Market categories:												
	Home goods and apparel.....	22,042	22,278	22,351	22,354	-1.1	-0.3	0.0	21,851	22,584	23,008	23,346	22,639
	Consumer staples.....	33,698	34,125	34,126	34,053	-1.3	0.0	+0.2	34,100	34,078	33,140	32,934	34,601
	Equipment and defense products, except automotive.....	86,253	86,086	86,111	85,567	+0.2	0.0	+0.6	85,687	86,159	86,311	85,805	81,324
	Automotive equipment.....	13,850	13,948	13,642	13,498	-0.7	+2.2	+1.1	13,911	13,939	13,029	13,100	13,237
	Construction materials, supplies and intermediate products.....	19,169	19,139	19,253	19,555	+0.2	-0.6	-1.5	18,985	19,092	19,253	19,738	19,436
	Other materials, supplies, and intermediate products.....	109,178	109,112	109,553	110,651	+0.1	-0.4	-1.0	108,197	109,127	110,101	111,148	111,949
	Supplementary series:[2]												
	Capital goods industries.....	98,944	98,508	98,362	98,019	+0.4	+0.1	+0.3	98,578	98,811	98,804	98,402	92,925
	Nondefense.....	72,408	72,585	73,045	73,298	-0.2	-0.6	-0.3	72,216	72,804	73,106	73,344	70,945
	Defense.....	26,536	25,923	25,317	24,721	+2.4	+2.4	+2.4	26,362	26,007	25,698	25,058	21,980
	Household durable goods industries.....	11,224	11,451	11,489	11,407	-2.0	-0.3	+0.7	11,153	11,627	11,703	11,719	11,125

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1985[p]	Aug. 1985[r]	July 1985	June 1985	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1985[p]	Aug. 1985[r]	July 1985	June 1985	Sept. 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	89,484	90,191	90,174	91,162	-0.8	0.0	-1.1	88,781	89,891	90,089	90,793	93,394
	Durable goods industries.....	53,967	54,217	54,257	54,714	-0.5	-0.1	-0.8	53,975	54,463	54,380	54,513	56,622
32	Stone, clay, and glass products...	1,822	1,835	1,881	1,872	-0.7	-2.4	+0.5	1,824	1,845	1,885	1,866	1,969
33	Primary metals.....	5,494	5,600	5,623	5,722	-1.4	-0.4	-1.7	5,523	5,592	5,575	5,630	7,025
34	Fabricated metal products.....	7,281	7,291	7,086	7,269	-0.1	+2.9	-2.5	7,232	7,300	7,154	7,282	7,335
35	Machinery, except electrical.....	11,416	11,705	11,686	11,761	-2.5	+0.2	-0.6	11,310	11,679	11,754	11,791	11,998
36	Electrical Machinery.....	8,176	8,359	8,423	8,418	-2.2	-0.8	+0.1	8,175	8,425	8,573	8,472	8,562
37	Transportation equipment.....	11,720	11,360	11,306	11,401	+3.2	+0.5	-0.8	11,707	11,498	11,188	11,365	11,304
38	Instruments and related products..	2,655	2,727	2,769	2,750	-2.6	-1.5	+0.7	2,685	2,726	2,771	2,762	2,752
24,25, 39	All other durable goods.....	5,403	5,340	5,483	5,521	+1.2	-2.6	-0.7	5,519	5,398	5,480	5,345	5,677
	Nondurable goods industries.....	35,517	35,974	35,917	36,448	-1.3	+0.2	-1.5	34,806	35,428	35,709	36,280	36,772
20	Food and kindred products.....	7,426	7,660	7,651	7,794	-3.1	+0.1	-1.8	6,976	7,239	7,324	7,485	7,442
21	Tobacco products.....	2,806	2,752	2,854	2,818	+2.0	-3.6	+1.3	2,745	2,610	2,603	2,711	3,040
22	Textile mill products.....	2,008	2,048	2,058	2,061	-2.0	-0.5	-0.1	1,951	2,043	2,109	2,101	2,188
26	Paper and allied products.....	4,644	4,720	4,621	4,721	-1.6	+2.1	-2.1	4,609	4,680	4,656	4,762	4,896
28	Chemicals and allied products.....	8,042	8,150	8,210	8,388	-1.3	-0.7	-2.1	8,015	8,167	8,280	8,308	8,176
29	Petroleum and coal products.....	1,833	1,947	1,925	1,956	-5.9	+1.1	-1.6	1,786	1,909	1,942	2,009	2,198
30	Rubber and plastics products.....	2,143	2,130	2,063	2,145	+0.6	+3.2	-3.8	2,110	2,059	2,087	2,167	2,136
23,27, 31	All other nondurable goods.....	6,615	6,567	6,535	6,565	+0.7	+0.5	-0.5	6,614	6,721	6,708	6,737	6,696
	WORK IN PROCESS												
	All manufacturing industries..	106,319	105,634	105,599	104,642	+0.6	0.0	+0.9	106,267	106,179	105,562	104,477	101,891
	Durable goods industries.....	92,129	91,473	91,383	90,306	+0.7	+0.1	+1.2	92,015	91,829	91,245	90,230	86,829
32	Stone, clay, and glass products...	862	833	835	802	+3.5	-0.2	+4.1	839	818	819	822	762
33	Primary metals.....	7,408	7,388	7,575	7,708	+0.3	-2.5	-1.7	7,425	7,495	7,655	7,668	8,198
34	Fabricated metal products.....	6,859	6,666	6,694	6,688	+2.9	-0.4	+0.1	6,780	6,701	6,811	6,915	6,663
35	Machinery, except electrical.....	16,526	16,486	16,483	16,156	+0.2	0.0	+2.0	16,473	16,499	16,349	16,116	16,024
36	Electrical Machinery.....	19,712	19,594	19,510	19,090	+0.6	+0.4	+2.2	19,631	19,689	19,546	19,233	17,158
37	Transportation equipment.....	32,973	32,665	32,505	32,093	+0.9	+0.5	+1.3	33,100	32,737	32,231	31,606	30,568
38	Instruments and related products..	4,194	4,195	4,173	4,164	0.0	+0.5	+0.2	4,162	4,220	4,205	4,254	3,930
24,25, 39	All other durable goods.....	3,595	3,646	3,608	3,605	-1.4	+1.1	+0.1	3,605	3,670	3,629	3,616	3,526
	Nondurable goods industries.....	14,190	14,161	14,216	14,336	+0.2	-0.4	-0.8	14,252	14,350	14,317	14,247	15,062
20	Food and kindred products.....	1,634	1,656	1,688	1,649	-1.3	-1.9	+2.4	1,589	1,603	1,621	1,620	1,745
21	Tobacco products.....	153	202	202	254	-24.3	0.0	-20.5	210	173	157	161	286
22	Textile mill products.....	1,855	1,896	1,932	1,954	-2.2	-1.9	-1.1	1,856	1,888	1,907	1,918	2,104
26	Paper and allied products.....	1,123	1,125	1,126	1,145	-0.2	-0.1	-1.7	1,141	1,157	1,144	1,170	1,131
28	Chemicals and allied products.....	3,726	3,638	3,641	3,665	+2.4	-0.1	-0.7	3,717	3,671	3,669	3,666	3,741
29	Petroleum and coal products.....	1,195	1,163	1,285	1,288	+2.8	-9.5	-0.2	1,201	1,209	1,314	1,313	1,534
30	Rubber and plastics products.....	1,173	1,158	1,181	1,153	+1.3	-1.9	+2.4	1,190	1,184	1,198	1,144	1,180
23,27, 31	All other nondurable goods.....	3,331	3,323	3,161	3,228	+0.2	+5.1	-2.1	3,348	3,465	3,307	3,255	3,341
	FINISHED GOODS												
	All manufacturing industries..	88,387	88,863	89,263	89,874	-0.5	-0.4	-0.7	87,683	88,909	89,191	90,801	87,901
	Durable goods industries.....	45,970	46,347	46,523	47,219	-0.8	-0.4	-1.5	45,275	46,290	46,757	48,334	44,436
32	Stone, clay, and glass products...	3,163	3,158	3,265	3,308	+0.2	-3.3	-1.3	3,031	3,128	3,289	3,373	3,043
33	Primary metals.....	5,555	5,609	5,624	5,670	-1.0	-0.3	-0.8	5,446	5,512	5,610	5,771	5,985
34	Fabricated metal products.....	4,758	4,665	4,760	4,936	+2.0	-2.0	-3.6	4,548	4,648	4,710	5,148	4,421
35	Machinery, except electrical.....	12,429	12,683	12,812	13,092	-2.0	-1.0	-2.1	12,426	12,781	13,015	13,321	11,652
36	Electrical Machinery.....	6,488	6,490	6,571	6,762	0.0	-1.2	-2.8	6,409	6,502	6,589	6,988	6,053
37	Transportation equipment.....	5,233	5,359	5,058	5,088	-2.4	+6.0	-0.6	5,164	5,290	5,021	5,092	5,017
38	Instruments and related products..	2,763	2,729	2,744	2,743	+1.2	-0.5	0.0	2,753	2,758	2,792	2,818	2,675
24,25, 39	All other durable goods.....	5,581	5,654	5,689	5,620	-1.3	-0.6	+1.2	5,498	5,671	5,731	5,823	5,590
	Nondurable goods industries.....	42,417	42,516	42,740	42,655	-0.2	-0.5	+0.2	42,408	42,619	42,434	42,467	43,465
20	Food and kindred products.....	12,023	12,176	12,133	11,982	-1.3	+0.4	+1.3	12,763	12,483	11,554	11,087	12,703
21	Tobacco products.....	268	266	261	229	+0.8	+1.9	+14.0	253	247	245	244	234
22	Textile mill products.....	2,703	2,654	2,672	2,722	+1.8	-0.7	-1.8	2,629	2,650	2,688	2,806	2,869
26	Paper and allied products.....	3,887	3,805	3,786	3,812	+2.2	+0.5	-0.7	3,689	3,731	3,788	3,914	3,349
28	Chemicals and allied products.....	10,135	10,038	10,036	9,997	+1.0	0.0	+0.4	9,714	9,889	9,941	9,892	9,877
29	Petroleum and coal products.....	4,014	4,256	4,526	4,709	-5.7	-6.0	-3.9	4,172	4,267	4,486	4,515	5,182
30	Rubber and plastics products.....	2,950	2,960	2,899	2,796	-0.3	+2.1	+3.7	2,802	2,864	2,866	2,914	2,683
23,27, 31	All other nondurable goods.....	6,437	6,361	6,427	6,408	+1.2	-1.0	+0.3	6,386	6,488	6,866	7,095	6,568

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Sept. 1985p	Aug. 1985r	July 1985	June 1985	Sept. 1985p	Aug. 1985r	July 1985	June 1985
	All manufacturing industries	1.46	1.45	1.47	1.47	3.48	3.41	3.41	3.39
	Durable goods industries	1.86	1.82	1.88	1.87	4.25	4.11	4.14	4.11
32	Stone, clay, and glass products	1.23	1.23	1.24	1.26	0.58	0.58	0.57	0.57
33	Primary metals	1.80	1.70	1.76	1.82	1.92	1.82	1.85	1.89
34	Fabricated metal products	1.30	1.28	1.29	1.36	1.49	1.49	1.51	1.58
35	Machinery, except electrical	2.35	2.33	2.34	2.28	3.80	3.73	3.70	3.59
36	Electrical machinery	2.23	2.22	2.30	2.19	5.38	5.24	5.48	5.24
37	Transportation equipment	1.91	1.84	1.96	2.00	11.25	10.54	10.49	10.90
38	Instruments and related products	2.12	2.05	2.01	1.97	1.90	1.85	1.79	1.74
	Nondurable goods industries	1.01	1.01	1.02	1.02	0.47	0.49	0.49	0.49
20	Food and kindred products	0.86	0.88	0.86	0.89	(X)	(X)	(X)	(X)
21	Tobacco products	1.92	1.97	2.26	1.65	(X)	(X)	(X)	(X)
22	Textile mill products	1.47	1.52	1.53	1.59	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.19	1.19	1.17	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.23	1.21	1.20	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.45	0.45	0.48	0.49	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.66	1.63	1.54	1.56	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1984	All Septs. 1980-1984	Sept. 1984-Aug. 1985	Year ago Sept. 1984	All Septs. 1980-1984	Sept. 1984-Aug. 1985	Year ago Sept. 1984	All Septs. 1980-1984	Sept. 1984-Aug. 1985	Year ago Sept. 1984	All Septs. 1980-1984	Sept. 1984-Aug. 1985
	All manufacturing industries.	0.2	0.4	0.2	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.2	0.1
	Durable goods industries	0.3	0.3	0.4	0.5	0.4	0.5	0.1	0.1	0.2	0.1	0.4	0.1
32	Stone, clay, and glass products	1.4	1.1	0.9	0.8	1.1	1.4	1.2	1.4	1.3	1.2	0.6	0.5
33	Primary metals	0.3	0.4	0.7	1.3	0.7	1.1	0.5	0.2	0.5	0.1	0.1	0.2
34	Fabricated metal products	0.5	0.5	0.9	0.1	0.9	1.0	0.3	0.3	0.2	0.3	0.3	0.4
35	Machinery, except electrical	0.4	1.1	0.7	0.5	1.5	0.5	0.0	0.3	0.2	0.1	0.6	0.1
36	Electrical machinery	0.1	0.2	1.1	0.5	0.6	1.3	0.1	0.1	0.3	0.0	0.1	0.2
37	Transportation equipment	0.4	0.4	0.5	0.8	1.6	0.7	0.1	0.2	0.1	0.2	0.2	0.2
38	Instruments and related products.	1.0	0.6	1.0	1.8	1.1	1.9	0.6	0.5	0.6	0.0	0.2	0.3
	Nondurable goods industries	0.3	0.5	0.3	0.2	0.5	0.3	0.1	0.2	0.4	0.2	0.3	0.2
20	Food and kindred products	1.0	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.8	0.3
21	Tobacco products	0.0	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	1.4	0.4	0.3
22	Textile mill products	1.1	1.1	1.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.3	0.4
26	Paper and allied products	0.4	1.2	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.5	0.3
28	Chemicals and allied product	0.0	1.0	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.4	0.3
29	Petroleum and coal products	0.2	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.5
30	Rubber and plastics products	4.8	2.2	1.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	1.0	0.3
	Capital Goods Industries:												
	Nondefense	0.3	0.7	1.1	1.0	1.3	1.0	0.2	0.8	0.1	0.1	0.3	0.1
	Defense	0.0	1.1	1.0	1.1	3.8	3.6	0.1	0.2	0.2	0.3	0.6	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

NOVEMBER 1985

M3-1(85)-11

For Wire Transmission 10:00a.m. E.S.T. Thursday, January 2, 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

FEB 27 1986

158
M3-1(85)-11

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in November increased $2.0 billion or 1.0 percent from October to $197.4 billion. The increase was attributable to the nondurable goods sector, up $2.3 billion or 2.5 percent to $93.2 billion. The durable goods sector had a slight decline, down $0.3 billion or 0.3 percent to $104.2 billion, revising down the earlier reported 0.9 percent increase.

Shipments of manufactured goods increased $3.1 billion or 1.6 percent to $200.4 billion. This is the third increase in the last four months and the largest since the 1.6 percent increase in December 1984. Both the durable and nondurable goods sectors were up this month.

Manufacturers' unfilled orders declined $3.0 billion or 0.8 percent to $362.0 billion, following a 0.5 percent decrease in October. Prior to that, consecutive increases since April had raised unfilled orders to a September high of $366.8 billion.

Manufacturers' inventories decreased slightly from October, down $0.7 billion or 0.2 percent to $281.8 billion. Except for a small increase in June, inventories have been declining since March of this year when they were estimated at $286.2 billion. The inventory to shipments ratio dropped to 1.41 from 1.43 in October and 1.46 in September.

NEW ORDERS. The increase in new orders for nondurable goods of 2.5 percent resulted mostly from large increases in the foods and petroleum products industries. In both of these industries new orders equal shipments for the month.

The decline in new orders for durable goods of 0.3 percent resulted from offsetting increases and decreases. Transportation equipment was down $1.9 billion or 7.1 percent to $24.6 billion, following a 5.6 percent decline in October. In both months declines in aircraft and shipbuilding more than offset increases in the motor vehicle industry. Primary metals declined $0.3 billion or 2.8 percent to $10.5 billion, following a 5.3 percent increase in October. Several of the other major industries increased: nonelectrical machinery was up $1.3 billion or 7.5 percent to $18.0 billion; electrical machinery, up $0.5 billion or 3.0 percent to $16.3 billion; instruments, up $0.2 billion or 4.3 percent to $4.8 billion; and fabricated metal products, up $0.2 billion or 1.6 percent to $15.1 billion.

SHIPMENTS. Shipments of durable goods in November increased $0.7 billion or 0.6 percent to $107.1 billion. This is the third increase in the last four months, following virtually no change during the first seven months of the year. The November increase was concentrated in the machinery industries; the electrical category was up $0.5 billion or 3.4 percent to $16.4 billion, and the nonelectrical $0.3 billion or 1.6 percent to $18.3 billion. Transportation equipment was flat at $27.4 billion, as an increase in the motor vehicle industry was offset by a decline in aircraft.

Nondurable goods shipments increased $2.5 billion or 2.7 percent to $93.2 billion. Food products were up $1.3 billion or 5.3 percent to $25.4 billion and petroleum up $0.7 billion or 4.5 percent to $16.7 billion.

UNFILLED ORDERS. The decline in unfilled orders for durable goods of 0.8 percent was concentrated in the transportation equipment industry. Cancellations and backlog adjustments in the aircraft and shipbuilding industries lowered the transportation backlog $2.8 billion or 1.8 percent to $151.3 billion. The decline in unfilled orders for nondurable goods was 0.5 percent.

INVENTORIES. Inventories in the durable goods industries were down $0.4 billion or 0.2 percent to $190.1 billion. Transportation equipment increased 0.8 percent while electrical and nonelectrical machinery were each down 1.2 percent. Nondurables goods inventories declined 0.3 percent as an increase in petroleum of 4.7 percent was more than offset by declines in most of the other categories.

By stage of fabrication, a decline in materials and supplies of 1.1 percent was partially offset by a 0.3 percent increase in finished goods; there was no change in work in process.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for release on January 24, 1986 at 8:30 a.m. and the full report on February 3, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on- or off-line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334-2564) or (800/982-5838 in California) and the Glimpse Corporation (703/836-6800). Further information about accessing CENDATA can be obtained from these companies. The CENDATA Staff at the Bureau of the Census (301/763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1985P	Oct. 1985r	Sept. 1985	Aug. 1985	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1985P	Oct. 1985r	Sept. 1985	Aug. 1985	1985P	1984
	All manufacturing industries	200,353	197,229	194,229	196,593	+1.6	+1.5	-1.2	197,686	202,238	204,504	194,000	2,149,245	2,085,824
	Manufacturing industries with unfilled orders	108,817	108,294	105,841	106,763	+0.5	+2.3	-0.9	107,754	110,945	111,587	105,027	1,164,713	1,102,901
	Durable goods industries	107,148	106,479	103,656	105,311	+0.6	+2.7	-1.6	105,290	109,516	109,177	101,590	1,142,431	1,082,405
	With unfilled orders	88,011	87,250	84,476	85,910	+0.9	+3.3	-1.7	86,809	89,001	89,212	83,761	933,721	878,159
32	Stone, clay, and glass products	4,824	4,765	4,766	4,747	+1.2	0.0	+0.4	4,734	5,055	5,208	5,055	53,145	50,892
322	Glass containers	428	406	402	415	+5.4	+1.0	-3.1	396	414	416	449	4,493	4,313
33	Primary metals	10,427	10,523	10,389	10,932	-0.9	+1.3	-5.0	9,860	10,520	10,469	10,726	116,510	121,000
331	Blast furnaces, steel mills	4,276	4,384	4,464	4,550	-2.5	-1.8	-1.9	4,041	4,314	4,375	4,432	48,534	5[illegible]5
333-9	Nonferrous and other primary metals	4,862	4,857	4,722	5,139	+0.1	+2.9	-8.1	4,580	4,891	4,897	5,057	54,285	57,804
34	Fabricated metal products	14,795	14,932	14,391	14,546	-0.9	+3.8	-1.1	14,432	15,596	15,171	14,811	155,690	127,304
341	Metal cans, barrels, and drums	915	942	827	970	-2.9	+13.9	-14.7	777	895	935	1,146	10,520	10,180
35	Machinery, except electrical	18,251	17,967	17,229	17,566	+1.6	+4.3	-1.9	17,948	17,842	18,312	16,273	193,810	190,840
351	Engines and turbines	1,333	1,199	1,255	1,225	+11.2	-4.5	+2.4	1,232	1,115	1,315	1,129	13,630	13,566
352	Farm machinery and equipment	923	914	845	919	+1.0	+8.2	-8.1	811	1,040	873	748	9,639	9,850
353	Construction, mining, and material handling equipment	2,941	2,800	2,548	2,856	+5.0	+9.9	-10.8	2,926	2,850	2,716	2,602	30,715	29,962
354	Metalworking machinery	956	931	876	825	+2.7	+6.3	+6.2	913	999	957	774	9,542	9,018
356	General industrial machinery	1,493	1,473	1,421	1,380	+1.4	+3.7	+3.0	1,439	1,536	1,448	1,388	15,465	15,507
357	Office and computing machines	4,555	4,708	4,635	4,428	-3.2	+1.6	+4.7	4,883	4,416	5,201	4,118	49,486	48,627
36	Electrical machinery	16,381	15,840	15,601	15,539	+3.4	+1.5	+0.4	16,359	16,104	16,565	15,064	169,127	165,962
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,358	2,260	2,050	2,149	+4.3	+10.2	-4.6	2,284	2,190	2,211	2,072	22,874	22,489
363	Household appliances	1,566	1,429	1,463	1,331	+9.6	-2.3	+9.9	1,430	1,468	1,602	1,414	15,829	16,044
365	Radio and TV	971	960	900	894	+1.1	+6.7	+0.7	1,002	1,079	1,063	873	10,143	9,511
366	Communication equipment	5,527	5,256	5,562	5,287	+5.2	-5.5	+5.2	5,500	5,224	5,658	5,010	56,190	49,447
367	Electronic components	3,092	3,161	3,104	3,212	-2.2	+1.8	-3.4	3,098	3,142	3,300	3,138	35,854	41,234
37	Transportation equipment	27,446	27,421	26,176	26,879	+0.1	+4.8	-2.6	27,133	28,444	27,196	24,088	287,659	263,868
371	Motor vehicles and parts	18,116	17,640	17,286	17,141	+2.7	+2.0	+0.8	17,779	18,824	17,905	15,063	189,190	177,267
372,6	Aircraft, missiles, and parts	7,718	8,172	7,312	7,984	-5.6	+11.8	-8.4	7,848	8,059	7,770	7,408	80,477	68,650
3731,95	Shipbuilding and military tank vehicles	805	768	792	854	+4.8	-3.0	-7.3	800	763	801	823	8,987	9,371
38	Instruments and related products	4,793	4,572	4,606	4,706	+4.8	-0.7	-2.1	4,803	4,692	4,983	4,630	51,679	48,805
381-4	Scientific and engineering instruments	3,199	3,042	3,006	3,109	+5.2	+1.2	-3.3	3,106	3,042	3,241	3,047	33,890	30,179
386	Photographic goods	1,412	1,354	1,425	1,408	+4.3	-5.0	+1.2	1,519	1,458	1,549	1,390	15,693	16,415
24,25, 39	All other durable goods	10,231	10,459	10,498	10,396	-2.2	-0.4	+1.0	10,021	11,263	11,273	10,943	114,811	112,832
	Nondurable goods industries	93,205	90,750	90,573	91,282	+2.7	+0.2	-0.8	92,396	92,722	95,327	92,410	1,006,814	1,003,419
	With unfilled orders	20,806	21,044	21,365	20,853	-1.1	-1.5	+2.5	20,945	21,944	22,375	21,266	230,992	224,744
20	Food and kindred products	25,442	24,160	24,296	24,286	+5.3	-0.6	0.0	25,242	24,793	25,875	24,285	271,787	270,156
201	Meat products	5,828	5,471	5,319	5,500	+6.5	+2.9	-3.3	5,787	5,679	5,436	5,681	62,007	64,077
208	Beverages	3,877	3,716	3,907	3,887	+4.3	-4.9	+0.5	3,637	3,764	3,934	4,155	41,908	39,996
207	Fats and oils	1,096	1,108	1,099	1,130	-1.1	+0.8	-2.7	1,135	1,106	1,114	1,102	12,584	14,354
203-6,9	All other foods	11,245	10,757	10,841	10,542	+4.5	-0.8	+2.8	11,290	11,155	12,164	10,120	119,563	116,715
21	Tobacco products	1,841	1,567	1,684	1,634	+17.5	-6.9	+3.1	1,854	1,591	1,868	1,727	18,332	15,201
22	Textile mill products	4,561	4,659	4,490	4,355	-2.1	+3.8	+3.1	4,433	4,859	4,846	4,544	48,327	50,937
26	Paper and allied products	8,127	8,097	8,111	8,090	+0.4	-0.2	+0.3	7,833	8,177	8,276	8,251	89,647	88,223
261-3,6	Pulp, paper etc.	3,480	3,483	3,426	3,521	-0.1	+1.7	-2.7	3,432	3,453	3,461	3,549	38,436	38,163
265	Paperboard containers	1,637	1,703	1,737	1,735	-3.9	-2.0	+0.1	1,591	1,803	1,793	1,778	19,801	20,036
264	All other paper products	3,010	2,911	2,948	2,834	+3.4	-1.3	+4.0	2,810	2,921	3,022	2,924	31,410	30,024
28	Chemicals and allied products	17,821	17,963	17,821	18,110	-0.8	+0.8	-1.6	16,809	17,209	18,525	17,578	197,056	194,283
281,6	Industrial chemicals, except pigments	6,165	6,073	6,040	5,802	+1.5	+0.5	+4.1	5,888	5,800	6,064	5,698	65,610	63,018
283,4	Drugs, soaps, and toiletries	4,708	4,796	4,635	4,722	-1.8	+3.5	-1.8	4,534	4,719	5,441	4,755	51,139	49,222
29	Petroleum and coal products	16,674	15,949	15,664	16,281	+4.5	+1.8	-3.8	16,694	16,091	16,048	16,463	176,783	184,000
30	Rubber and plastics products	4,160	3,959	3,831	3,826	+5.1	+3.3	+0.1	4,045	4,220	4,086	3,947	44,699	48,290
23,27, 31	All other nondurable goods	14,579	14,396	14,676	14,700	+1.3	-1.9	-0.2	15,486	15,782	15,803	15,615	160,183	152,326
	Market categories:													
	Home goods and apparel	14,043	13,408	13,335	13,509	+4.7	+0.5	-1.3	14,423	14,942	14,994	14,802	147,993	145,252
	Consumer staples	35,526	34,043	34,403	34,250	+4.4	-1.0	+0.4	35,549	34,901	36,957	34,323	380,779	368,717
	Equipment and defense products, except automotive	31,089	30,871	29,945	30,519	+0.7	+3.1	-1.9	30,897	30,746	31,850	28,805	329,125	305,088
	Automotive equipment	20,078	19,550	19,151	18,973	+2.7	+2.1	+0.9	19,514	20,790	19,805	16,928	210,480	199,644
	Construction materials, supplies and intermediate products	17,326	18,086	17,619	17,624	-4.2	+2.7	0.0	16,854	18,952	18,933	18,585	191,230	164,213
	Other materials, supplies, and intermediate products	82,291	81,271	79,776	81,718	+1.3	+1.9	-2.4	80,449	81,907	81,965	80,557	889,638	902,906
	Supplementary series:[2]													
	Capital goods industries	35,891	35,392	33,848	34,952	+1.4	+4.6	-3.2	35,974	35,178	35,894	32,807	371,762	348,621
	Nondefense	28,071	27,721	26,722	27,788	+1.3	+3.7	-3.8	28,118	27,470	28,430	25,916	295,683	283,406
	Defense	7,820	7,671	7,126	7,164	+1.9	+7.6	-0.5	7,856	7,708	7,464	6,891	76,079	65,213
	Household durable goods industries	6,907	6,505	6,625	6,444	+6.2	-1.8	+2.8	6,902	7,187	7,523	6,755	72,366	69,343

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1985P	Oct. 1985r	Sept. 1985	Aug. 1985	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1985P	Oct. 1985r	Sept. 1985	Aug. 1985	1985P	1984
	All manufacturing industries	197,369	195,381	197,332	198,782	+1.0	-1.0	-0.7	193,239	201,856	205,698	192,940	2,151,766	2,109,490
	Manufacturing industries with unfilled orders	105,833	106,446	108,944	108,952	-0.6	-2.3	0.0	103,307	110,563	112,781	103,967	1,167,233	1,126,575
	Durable goods industries	104,217	104,495	106,641	107,661	-0.3	-2.0	-0.9	101,054	109,151	110,339	100,755	1,144,796	1,106,848
	With unfilled orders	85,080	85,266	87,461	88,260	-0.2	-2.5	-0.9	82,573	88,636	90,374	82,926	936,086	90[illegible]92
32	Stone, clay, and glass products	4,799	4,915	4,766	4,764	-2.4	+3.1	0.0	4,690	5,146	5,151	5,013	53,273	94
33	Primary metals	10,453	10,749	10,212	11,038	-2.8	+5.3	-7.5	9,974	10,482	9,961	10,722	117,005	12[illegible],006
331	Blast furnaces, steel mills	4,368	4,638	4,179	4,826	-5.8	+11.0	-13.4	4,193	4,489	3,890	4,672	49,045	48,450
333-9	Nonferrous and other primary metals	4,690	4,858	4,733	4,919	-3.5	+2.6	-3.8	4,417	4,669	4,800	4,846	53,821	57,025
34	Fabricated metal products	15,073	14,837	14,356	14,560	+1.6	+3.4	-1.4	14,414	15,146	15,065	14,730	154,365	128,381
35	Machinery, except electrical	17,976	16,718	17,370	17,812	+7.5	-3.8	-2.5	17,652	17,329	17,924	16,223	193,191	194,785
351	Engines and turbines	1,579	966	1,195	1,306	+63.5	-19.2	-8.5	1,372	1,372	1,156	1,362	13,463	14,028
353	Construction, mining, and material handling equipment	2,950	2,813	2,751	2,921	+4.9	+2.3	-5.8	2,953	2,857	2,910	2,577	31,029	30,286
354	Metalworking machinery	826	899	989	710	-8.1	-9.1	+39.3	777	988	954	784	10,236	10,172
356	General industrial machinery	1,492	1,263	1,468	1,345	+18.1	-14.0	+9.1	1,430	1,359	1,430	1,358	15,186	15,610
357	Office and computing machines	4,114	4,294	4,509	4,782	-4.2	-4.8	-5.7	4,495	4,055	4,928	3,874	49,192	49,795
36	Electrical machinery	16,298	15,820	16,856	14,685	+3.0	-6.1	+14.8	15,569	15,906	17,598	14,317	172,407	175,917
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,269	2,185	2,027	2,174	+3.8	+7.8	-6.8	2,179	2,114	2,152	2,124	22,553	22,344
363	Household appliances	1,545	1,495	1,481	1,325	+3.3	+0.9	+11.8	1,402	1,463	1,589	1,406	15,849	15,949
365	Radio and TV	946	1,187	962	859	-20.3	+23.4	+12.0	914	1,046	1,104	975	10,224	9,575
366	Communication equipment	5,549	5,347	6,818	5,112	+3.8	-21.6	+33.4	5,143	5,435	7,149	4,881	63,409	57,308
367	Electronic components	3,224	2,881	2,917	2,568	+11.9	-1.2	+13.6	3,010	2,896	2,780	2,356	32,217	43,430
37	Transportation equipment	24,630	26,503	28,080	29,861	-7.1	-5.6	-6.0	24,235	29,554	28,905	24,359	287,930	273,839
372,6	Aircraft, missiles, and parts	6,427	7,911	9,235	11,321	-18.8	-14.3	-18.4	5,764	9,661	9,589	8,195	84,631	81,424
3731,95	Shipbuilding and military tank vehicles	-530	325	939	384	-263.1	-65.4	+144.5	213	358	904	180	6,113	7,839
38	Instruments and related products	4,774	4,579	4,548	4,752	+4.3	+0.7	-4.3	4,746	4,620	4,862	4,682	51,890	49,461
24,25, 39	All other durable goods	10,214	10,374	10,453	10,189	-1.5	-0.8	+2.6	9,774	10,968	10,873	10,709	114,735	113,165
	Nondurable goods industries	93,152	90,886	90,691	91,121	+2.5	+0.2	-0.5	92,185	92,705	95,359	92,185	1,006,970	1,002,642
	With unfilled orders	20,753	21,180	21,483	20,692	-2.0	-1.4	+3.8	20,734	21,927	22,407	21,041	231,147	223,983
	Market categories:													
	Home goods and apparel	13,848	13,577	13,350	13,448	+2.0	+1.7	-0.7	13,982	14,580	14,640	14,756	148,015	145,208
	Consumer staples	35,484	34,086	34,474	34,205	+4.1	-1.1	+0.8	35,471	34,928	37,058	34,311	380,812	368,644
	Equipment and defense products, except automotive	28,390	28,595	32,319	32,386	-0.7	-11.5	-0.2	28,038	31,048	33,915	27,911	332,990	327,059
	Automotive equipment	19,947	19,327	18,989	19,112	+3.2	+1.8	-0.6	19,332	20,702	19,610	17,106	209,631	198,204
	Construction materials, supplies and intermediate products	17,250	18,216	17,662	17,640	-5.3	+3.1	+0.1	16,678	18,862	18,884	18,531	191,062	164,571
	Other materials, supplies, and intermediate products	82,450	81,580	80,538	81,991	+1.1	+1.3	-1.8	79,738	81,736	81,591	80,325	889,256	905,802
	Supplementary series:[2]													
	Capital goods industries	33,210	33,271	37,346	37,824	-0.2	-10.9	-1.3	32,618	35,805	38,906	32,728	378,748	372,947
	Nondefense	26,247	27,092	29,240	27,554	-3.1	-7.3	+6.1	25,888	28,232	29,968	25,428	294,439	295,188
	Defense	6,963	6,179	8,106	10,270	+12.7	-23.8	-21.1	6,730	7,573	8,938	7,300	84,309	77,759
	Household durable goods industries	6,824	6,711	6,652	6,328	+1.7	+0.9	+5.1	6,563	6,878	7,202	6,691	72,371	69,404

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1985p	Oct. 1985r	Sept. 1985	Aug. 1985	Oct.-Nov.p	Sept.-Oct.r	Aug.-Sept.	Nov. 1985p	Oct. 1985r	Sept. 1985	Aug. 1985	Nov. 1984
	All manufacturing industries..	361,962	364,946	366,794	363,691	-0.8	-0.5	+0.9	355,461	359,908	360,290	359,096	351,926
	Durable goods industries.....	351,562	354,493	356,477	353,492	-0.8	-0.6	+0.8	345,392	349,628	349,993	348,831	342,161
32	Stone, clay, and glass products...	2,632	2,657	2,507	2,507	-0.9	+6.0	0.0	2,525	2,569	2,478	2,535	2,346
33	Primary metals.....	19,930	19,904	19,678	19,855	+0.1	+1.1	-0.9	18,999	18,885	18,923	19,431	18,414
331	Blast furnaces, steel mills.....	9,422	9,330	9,076	9,361	+1.0	+2.8	-3.0	8,913	8,761	8,586	9,071	8,045
333-9	Nonferrous and other primary metals.....	7,032	7,204	7,203	7,192	-2.4	0.0	+0.2	6,652	6,815	7,037	7,134	7,293
34	Fabricated metal products.....	20,376	20,098	20,193	20,228	+1.4	-0.5	-0.2	19,856	19,874	20,324	20,430	21,191
35	Machinery, except electrical.....	60,737	61,012	62,261	62,120	-0.5	-2.0	+0.2	60,353	60,649	61,162	61,550	62,078
351	Engines and turbines.....	14,713	14,467	14,700	14,760	+1.7	-1.6	-0.4	14,995	14,855	14,598	14,757	,183
353	Construction, mining, and material handling equipment....	6,269	6,260	6,247	6,044	+0.1	+0.2	+3.4	6,206	6,179	6,172	5,978	5,992
354	Metalworking machinery.....	4,286	4,416	4,448	4,335	-2.9	-0.7	+2.6	4,337	4,473	4,484	4,487	3,528
356	General industrial machinery....	4,417	4,418	4,628	4,581	0.0	-4.5	+1.0	4,382	4,391	4,568	4,586	4,749
357	Office and computing machines...	20,467	20,908	21,322	21,448	-2.1	-1.9	-0.6	19,976	20,364	20,725	20,998	21,314
36	Electrical machinery.....	82,575	82,658	82,678	81,423	-0.1	0.0	+1.5	81,195	81,985	82,183	81,150	79,122
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,904	5,993	6,068	6,091	-1.5	-1.2	-0.4	5,861	5,966	6,042	6,101	6,096
363	Household appliances.....	457	478	412	394	-4.4	+16.0	+4.6	383	411	416	429	366
365	Radio and TV.....	660	685	458	396	-3.6	+49.6	+15.7	516	604	637	596	460
366	Communication equipment.....	58,521	58,499	58,408	57,152	0.0	+0.2	+2.2	57,788	58,145	57,934	56,443	50,053
367	Electronic components.....	15,634	15,502	15,782	15,969	+0.9	-1.8	-1.2	15,259	15,347	15,593	16,113	20,666
37	Transportation equipment.....	151,290	154,106	155,024	153,120	-1.8	-0.6	+1.2	148,832	151,730	150,620	148,911	145,308
372,6	Aircraft, missiles, and parts...	127,150	128,441	128,702	126,779	-1.0	-0.2	+1.5	124,691	126,775	125,173	123,354	117,103
3731,95	Shipbuilding and military tank vehicles.....	17,902	19,238	19,681	19,534	-6.9	-2.3	+0.8	17,983	18,570	18,975	18,872	21,124
38	Instruments and related products..	8,630	8,649	8,642	8,700	-0.2	+0.1	-0.7	8,525	8,582	8,654	8,775	8,316
24,25, 39	All other durable goods.....	5,392	5,409	5,494	5,539	-0.3	-1.5	-0.8	5,107	5,354	5,649	6,049	5,386
	Nondurable goods industries.....	10,400	10,453	10,317	10,199	-0.5	+1.3	+1.2	10,069	10,280	10,297	10,265	9,765
	Market categories:												
	Home goods and apparel.....	4,364	4,559	4,390	4,375	-4.3	+3.8	+0.3	3,850	4,291	4,653	5,007	3,966
	Consumer staples.....	682	724	681	610	-5.8	+6.3	+11.6	666	744	717	616	633
	Equipment and defense products, except automotive.....	226,611	229,310	231,586	229,212	-1.2	-1.0	+1.0	223,766	226,625	226,323	224,258	218,864
	Automotive equipment.....	5,714	5,845	6,068	6,230	-2.2	-3.7	-2.6	5,640	5,822	5,910	6,105	6,342
	Construction materials, supplies and intermediate products.....	12,271	12,347	12,217	12,174	-0.6	+1.1	+0.4	12,027	12,203	12,293	12,342	12,200
	Other materials, supplies, and intermediate products.....	112,320	112,161	111,852	111,090	+0.1	+0.3	+0.7	109,512	110,223	110,394	110,768	109,922
	Supplementary series:[2]												
	Capital goods industries.....	274,525	277,206	279,327	275,829	-1.0	-0.8	+1.3	270,842	274,198	273,571	270,559	261,231
	Nondefense.....	132,046	133,870	134,499	131,981	-1.4	-0.5	+1.9	131,584	133,814	133,052	131,514	134,879
	Defense.....	142,479	143,336	144,828	143,848	-0.6	-1.0	+0.7	139,258	140,384	140,519	139,045	126,352
	Household durable goods industries.....	3,938	4,021	3,815	3,788	-2.1	+5.4	+0.7	3,436	3,775	4,084	4,405	3,560

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1985p	Oct. 1985r	Sept. 1985	Aug. 1985	Oct.-Nov.p	Sept.-Oct.r	Aug.-Sept.	Nov. 1985p	Oct. 1985r	Sept. 1985	Aug. 1985	Nov. 1984
	All manufacturing industries..	281,782	282,444	284,030	284,688	-0.2	-0.6	-0.2	280,739	282,136	282,567	284,979	284,794
	Manufacturing industries with unfilled orders.....	197,900	198,563	200,055	199,919	-0.3	-0.7	+0.1	196,389	197,918	199,249	200,734	197,016
	Durable goods industries.....	190,148	190,508	191,930	192,037	-0.2	-0.7	-0.1	188,729	189,961	191,127	192,582	189,368
	With unfilled orders.....	174,511	174,999	176,445	176,423	-0.3	-0.8	0.0	173,439	174,754	175,915	177,020	173,640
32	Stone, clay, and glass products...	5,721	5,648	5,841	5,826	+1.3	-3.3	+0.3	5,536	5,466	5,688	5,791	5,694
322	Glass containers.....	640	622	617	604	+2.9	+0.8	+2.2	634	615	603	608	618
33	Primary metals.....	18,050	18,146	18,486	18,597	-0.5	-1.8	-0.6	18,033	18,108	18,423	18,599	20,716
331	Blast furnaces, steel mills.....	8,110	8,139	8,295	8,362	-0.4	-1.9	-0.8	8,232	8,229	8,353	8,437	9,748
333-9	Nonferrous and other primary metals.....	8,702	8,774	8,940	8,980	-0.8	-1.9	-0.4	8,580	8,660	8,833	8,935	9,715
34	Fabricated metal products.....	19,348	19,282	18,890	18,622	+0.3	+2.1	+1.4	18,793	18,943	18,553	18,649	18,714
341	Metal cans, barrels, and drums..	2,284	2,360	2,333	2,216	-3.2	+1.2	+5.3	1,932	1,999	1,999	2,145	1,968
35	Machinery, except electrical.....	39,539	39,999	40,392	40,874	-1.2	-1.0	-1.2	39,347	39,914	40,229	40,959	40,474
351	Engines and turbines.....	1,922	1,951	1,964	2,048	-1.5	-0.7	-4.1	1,923	1,959	1,928	2,015	2,326
352	Farm machinery and equipment....	1,822	1,820	1,774	1,823	+0.1	+2.6	-2.7	1,742	1,733	1,788	1,816	1,914
353	Construction, mining, and material handling equipment....	6,258	6,364	6,497	6,493	-1.7	-2.0	+0.1	6,227	6,319	6,426	6,499	6,947
354	Metalworking machinery.....	2,657	2,720	2,764	2,789	-2.3	-1.6	-0.9	2,665	2,731	2,747	2,820	2,445
356	General industrial machinery....	3,426	3,420	3,480	3,530	+0.2	-1.7	-1.4	3,395	3,376	3,445	3,488	3,424
357	Office and computing machines...	12,322	12,483	12,584	12,694	-1.3	-0.8	-0.9	12,285	12,595	12,660	12,922	12,283
36	Electrical machinery.....	33,503	33,910	34,315	34,443	-1.2	-1.2	-0.4	33,208	33,830	34,153	34,616	32,469
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,279	4,397	4,513	4,527	-2.7	-2.6	-0.3	4,285	4,445	4,494	4,540	4,527
363	Household appliances.....	2,303	2,337	2,415	2,589	-1.5	-3.2	-6.7	2,146	2,225	2,275	2,532	2,439
365	Radio and TV.....	1,340	1,372	1,379	1,372	-2.3	-0.5	+0.5	1,327	1,356	1,431	1,447	1,259
366	Communication equipment.....	14,865	14,859	14,950	14,851	0.0	-0.6	+0.7	14,820	14,911	14,914	14,890	13,197
367	Electronic components.....	6,033	6,138	6,292	6,337	-1.7	-2.4	-0.7	6,003	6,120	6,254	6,369	6,483
37	Transportation equipment.....	49,668	49,251	49,837	49,384	+0.8	-1.2	+0.9	49,832	49,589	49,883	49,525	47,370
371	Motor vehicles and parts.....	11,315	11,263	11,403	11,555	+0.5	-1.2	-1.3	11,425	11,511	11,555	11,659	11,042
372,6	Aircraft, missiles, and parts...	35,161	34,827	35,256	34,695	+1.0	-1.2	+1.6	35,149	34,912	35,175	34,826	33,052
3731,95	Shipbuilding and military tank vehicles.....	1,551	1,500	1,496	1,465	+3.4	+0.3	+2.1	1,548	1,512	1,505	1,433	1,365
38	Instruments and related products..	9,677	9,741	9,636	9,651	-0.7	+1.1	-0.2	9,584	9,656	9,624	9,704	9,330
381-4	Scientific and engineering instruments.....	6,921	7,001	6,971	6,997	-1.1	+0.4	-0.4	6,886	6,938	6,936	6,990	6,773
386	Photographic goods.....	2,138	2,117	2,036	2,031	+1.0	+4.0	+0.2	2,104	2,115	2,062	2,086	1,996
24,25, 39	All other durable goods.....	14,642	14,531	14,533	14,640	+0.8	0.0	-0.7	14,396	14,455	14,574	14,739	14,601
	Nondurable goods industries.....	91,634	91,936	92,100	92,651	-0.3	-0.2	-0.6	92,010	92,175	91,440	92,397	95,426
	With unfilled orders.....	23,389	23,564	23,610	23,496	-0.7	-0.2	+0.5	22,950	23,164	23,334	23,714	23,376
20	Food and kindred products.....	20,811	21,110	21,066	21,492	-1.4	+0.2	-2.0	22,030	22,202	21,314	21,325	22,733
201	Meat products.....	2,247	2,380	2,276	2,337	-5.6	+4.6	-2.6	2,308	2,351	2,130	2,204	2,362
208	Beverages.....	3,349	3,439	3,428	3,559	-2.6	+0.3	-3.7	3,279	3,398	3,342	3,406	3,401
207	Fats and oils.....	973	1,106	1,204	1,255	-12.0	-8.1	-4.1	1,182	1,130	945	1,034	1,375
203-6,9	All other foods.....	12,557	12,483	12,434	12,631	+0.6	+0.4	-1.6	13,637	13,631	13,192	12,947	13,823
21	Tobacco products.....	3,245	3,314	3,227	3,220	-2.1	+2.7	+0.2	3,300	3,367	3,208	3,030	3,608
22	Textile mill products.....	6,711	6,781	6,689	6,598	-1.0	+1.4	+1.4	6,553	6,551	6,556	6,581	6,954
26	Paper and allied products.....	9,658	9,629	9,660	9,650	+0.3	-0.3	+0.1	9,629	9,512	9,444	9,568	9,630
261-3,6	Pulp, paper etc.....	3,705	3,720	3,749	3,695	-0.4	-0.8	+1.5	3,705	3,701	3,678	3,688	3,572
265	Paperboard containers.....	2,252	2,275	2,311	2,345	-1.0	-1.6	-1.4	2,232	2,232	2,274	2,343	2,620
264	All other paper products.....	3,701	3,634	3,600	3,610	+1.8	+0.9	-0.3	3,692	3,579	3,492	3,537	3,438
28	Chemicals and allied products.....	21,544	21,697	21,895	21,826	-0.7	-0.9	+0.3	21,492	21,472	21,438	21,727	21,857
281,6	Industrial chemicals, except pigments.....	6,422	6,635	6,821	6,692	-3.2	-2.7	+1.9	6,403	6,589	6,719	6,699	6,703
283,4	Drugs, soaps, and toiletries....	6,837	6,928	6,814	6,901	-1.3	+1.7	-1.3	6,851	6,845	6,698	6,908	6,839
29	Petroleum and coal products.....	7,531	7,190	7,028	7,366	+4.7	+2.3	-4.6	7,846	7,373	7,143	7,385	8,959
30	Rubber and plastics products.....	6,169	6,094	6,262	6,248	+1.2	-2.7	+0.2	5,989	5,966	6,098	6,107	5,868
23,27, 31	All other nondurable goods.....	15,965	16,121	16,273	16,251	-1.0	-0.9	+0.1	15,171	15,732	16,239	16,674	15,817
	Market categories:												
	Home goods and apparel.....	21,873	21,916	22,012	22,278	-0.2	-0.4	-1.2	20,854	21,310	21,819	22,584	21,871
	Consumer staples.....	33,588	34,022	33,650	34,125	-1.3	+1.1	-1.4	34,511	34,996	34,054	34,078	35,190
	Equipment and defense products, except automotive.....	85,152	85,136	86,214	86,086	0.0	-1.3	+0.1	84,806	85,099	85,649	86,159	83,309
	Automotive equipment.....	13,706	13,641	13,800	13,948	+0.5	-1.2	-1.1	13,805	13,803	13,861	13,939	13,513
	Construction materials, supplies and intermediate products.....	19,139	18,791	19,184	19,139	+1.9	-2.0	+0.2	18,768	18,609	18,998	19,092	19,461
	Other materials, supplies, and intermediate products.....	108,324	108,938	109,170	109,112	-0.6	-0.2	+0.1	107,995	108,319	108,186	109,127	111,451
	Supplementary series:[2]												
	Capital goods industries.....	97,536	97,879	98,878	98,508	-0.4	-1.0	+0.4	97,263	97,981	98,513	98,811	94,500
	Nondefense.....	70,784	71,292	72,402	72,585	-0.7	-1.5	-0.3	70,965	71,667	72,210	72,804	72,302
	Defense.....	26,752	26,587	26,476	25,923	+0.6	+0.4	+2.1	26,298	26,314	26,303	26,007	22,198
	Household durable goods industries.....	11,124	11,176	11,226	11,451	-0.5	-0.4	-2.0	10,714	10,946	11,153	11,627	10,948

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1985P	Oct. 1985r	Sept. 1985	Aug. 1985	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1985P	Oct. 1985r	Sept. 1985	Aug. 1985	Nov. 1984
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	88,205	89,183	89,277	90,191	-1.1	-0.1	-1.0	87,882	88,717	88,574	89,891	92,993
	Durable goods industries.....	53,208	53,644	53,844	54,217	-0.8	-0.4	-0.7	53,183	53,725	53,853	54,463	56,115
32	Stone, clay, and glass products...	1,792	1,769	1,820	1,835	+1.3	-2.8	-0.8	1,776	1,764	1,822	1,845	1,908
33	Primary metals.....	5,286	5,485	5,509	5,600	-3.6	-0.4	-1.6	5,431	5,581	5,538	5,592	5,939
34	Fabricated metal products.....	7,394	7,468	7,287	7,291	-1.0	+2.5	-0.1	7,233	7,373	7,238	7,300	7,338
35	Machinery, except electrical.....	11,206	11,299	11,357	11,705	-0.8	-0.5	-3.0	11,175	11,266	11,252	11,679	11,577
36	Electrical Machinery.....	7,941	8,056	8,169	8,359	-1.4	-1.4	-2.3	7,816	7,995	8,168	8,425	8,600
37	Transportation equipment.....	11,594	11,581	11,670	11,360	+0.1	-0.8	+2.7	11,632	11,578	11,657	11,498	11,434
38	Instruments and related products..	2,666	2,708	2,660	2,727	-1.6	+1.8	-2.5	2,650	2,715	2,690	2,726	2,684
24,25, 39	All other durable goods.....	5,329	5,278	5,372	5,340	+1.0	-1.7	+0.6	5,470	5,453	5,488	5,398	5,635
	Nondurable goods industries.....	34,997	35,539	35,433	35,974	-1.5	+0.3	-1.5	34,699	34,992	34,721	35,428	36,878
20	Food and kindred products.....	7,304	7,564	7,432	7,660	-3.4	+1.8	-3.0	7,550	7,579	6,983	7,239	8,059
21	Tobacco products.....	2,719	2,763	2,806	2,752	-1.6	-1.5	+2.0	2,679	2,658	2,745	2,610	3,036
22	Textile mill products.....	2,013	2,071	2,051	2,048	-2.8	+1.0	+0.1	1,945	1,948	1,992	2,043	2,099
26	Paper and allied products.....	4,707	4,651	4,632	4,720	+1.2	+0.4	-1.9	4,685	4,633	4,596	4,680	4,899
28	Chemicals and allied products.....	8,030	8,083	8,034	8,150	-0.7	+0.6	-1.4	7,873	7,921	8,007	8,167	8,146
29	Petroleum and coal products.....	2,051	1,861	1,823	1,947	+10.2	+2.1	-6.4	2,037	1,856	1,776	1,909	2,177
30	Rubber and plastics products.....	2,120	2,033	2,092	2,130	+4.3	-2.8	-1.8	2,088	2,029	2,060	2,059	2,013
23,27, 31	All other nondurable goods.....	6,053	6,513	6,563	6,567	-7.1	-0.8	-0.1	5,842	6,368	6,562	6,721	6,449
	WORK IN PROCESS												
	All manufacturing industries..	105,699	105,679	106,491	105,634	0.0	-0.8	+0.8	105,390	106,070	106,436	106,179	102,888
	Durable goods industries.....	90,957	91,072	92,181	91,473	-0.1	-1.2	+0.8	90,662	91,375	92,063	91,829	88,072
32	Stone, clay, and glass products...	804	814	861	833	-1.2	-5.5	+3.4	760	777	838	818	739
33	Primary metals.....	7,223	7,263	7,407	7,388	-0.6	-1.9	+0.3	7,159	7,236	7,424	7,495	7,943
34	Fabricated metal products.....	7,204	7,026	6,862	6,666	+2.5	+2.4	+2.9	6,955	6,958	6,783	6,701	6,782
35	Machinery, except electrical.....	15,752	16,156	16,602	16,486	-2.5	-2.7	+0.7	15,802	16,304	16,547	16,499	16,501
36	Electrical Machinery.....	19,537	19,674	19,698	19,594	-0.7	-0.1	+0.5	19,504	19,720	19,616	19,689	17,748
37	Transportation equipment.....	32,799	32,400	32,945	32,665	+1.2	-1.7	+0.9	32,908	32,716	33,072	32,737	30,795
38	Instruments and related products..	4,174	4,208	4,217	4,195	-0.8	-0.2	+0.5	4,148	4,173	4,185	4,220	3,994
24,25, 39	All other durable goods.....	3,464	3,531	3,589	3,646	-1.9	-1.6	-1.6	3,426	3,491	3,598	3,670	3,570
	Nondurable goods industries.....	14,742	14,607	14,310	14,161	+0.9	+2.1	+1.1	14,728	14,695	14,373	14,350	14,816
20	Food and kindred products.....	1,607	1,657	1,629	1,656	-3.0	+1.7	-1.6	1,623	1,636	1,584	1,603	1,728
21	Tobacco products.....	211	249	153	202	-15.3	+62.7	-24.3	297	405	210	173	338
22	Textile mill products.....	2,026	2,058	1,907	1,896	-1.6	+7.9	+0.6	2,012	2,048	1,908	1,888	2,045
26	Paper and allied products.....	1,188	1,140	1,133	1,125	+4.2	+0.6	+0.7	1,180	1,143	1,151	1,157	1,143
28	Chemicals and allied products.....	3,701	3,740	3,721	3,638	-1.0	+0.5	+2.3	3,703	3,736	3,712	3,671	3,488
29	Petroleum and coal products.....	1,364	1,308	1,184	1,163	+4.3	+10.5	+1.8	1,363	1,278	1,190	1,209	1,564
30	Rubber and plastics products.....	1,158	1,174	1,223	1,158	-1.4	-4.0	+5.6	1,163	1,181	1,241	1,184	1,181
23,27, 31	All other nondurable goods.....	3,487	3,281	3,360	3,323	+6.3	-2.4	+1.1	3,387	3,268	3,377	3,465	3,329
	FINISHED GOODS												
	All manufacturing industries..	87,878	87,582	88,262	88,863	+0.3	-0.8	-0.7	87,467	87,349	87,557	88,909	88,913
	Durable goods industries.....	45,983	45,792	45,905	46,347	+0.4	-0.2	-1.0	44,884	44,861	45,211	46,290	45,181
32	Stone, clay, and glass products...	3,125	3,065	3,160	3,158	+2.0	-3.0	+0.1	3,000	2,925	3,028	3,128	3,047
33	Primary metals.....	5,541	5,398	5,570	5,609	+2.6	-3.1	-0.7	5,443	5,291	5,461	5,512	5,834
34	Fabricated metal products.....	4,750	4,788	4,741	4,665	-0.8	+1.0	+1.6	4,605	4,612	4,532	4,648	4,594
35	Machinery, except electrical.....	12,581	12,544	12,433	12,683	+0.3	+0.9	-2.0	12,370	12,344	12,430	12,781	12,396
36	Electrical Machinery.....	6,025	6,180	6,448	6,490	-2.5	-4.2	-0.6	5,888	6,115	6,369	6,502	6,121
37	Transportation equipment.....	5,275	5,270	5,222	5,359	+0.1	+0.9	-2.6	5,292	5,295	5,154	5,290	5,141
38	Instruments and related products..	2,837	2,825	2,759	2,729	+0.4	+2.4	+1.1	2,786	2,768	2,749	2,758	2,652
24,25, 39	All other durable goods.....	5,849	5,722	5,572	5,654	+2.2	+2.7	-1.5	5,500	5,511	5,488	5,671	5,396
	Nondurable goods industries.....	41,895	41,790	42,357	42,516	+0.3	-1.3	-0.4	42,583	42,488	42,346	42,619	43,732
20	Food and kindred products.....	11,900	11,889	12,005	12,176	+0.1	-1.0	-1.4	12,857	12,987	12,747	12,483	12,946
21	Tobacco products.....	315	302	268	266	+4.3	+12.7	+0.8	324	304	253	247	234
22	Textile mill products.....	2,672	2,652	2,731	2,654	+0.8	-2.9	+2.9	2,596	2,555	2,656	2,650	2,810
26	Paper and allied products.....	3,763	3,838	3,895	3,805	-2.0	-1.5	+2.4	3,764	3,736	3,697	3,731	3,588
28	Chemicals and allied products.....	9,813	9,874	10,140	10,038	-0.6	-2.6	+1.0	9,916	9,815	9,719	9,889	10,223
29	Petroleum and coal products.....	4,116	4,021	4,021	4,256	+2.4	0.0	-5.5	4,446	4,239	4,177	4,267	5,218
30	Rubber and plastics products.....	2,891	2,887	2,947	2,960	+0.1	-2.0	-0.4	2,738	2,756	2,797	2,864	2,674
23,27, 31	All other nondurable goods.....	6,425	6,327	6,350	6,361	+1.5	-0.4	-0.2	5,942	6,096	6,300	6,488	6,039

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Nov. 1985p	Oct. 1985r	Sept. 1985	Aug. 1985	Nov. 1985p	Oct. 1985r	Sept. 1985	Aug. 1985
	All manufacturing industries	1.41	1.43	1.46	1.45	3.33	3.37	3.47	3.41
	Durable goods industries	1.77	1.79	1.85	1.82	3.99	4.06	4.22	4.11
32	Stone, clay, and glass products	1.19	1.19	1.23	1.23	0.60	0.61	0.57	0.58
33	Primary metals	1.73	1.72	1.78	1.70	1.91	1.89	1.89	1.82
34	Fabricated metal products	1.31	1.29	1.31	1.28	1.47	1.44	1.49	1.49
35	Machinery, except electrical	2.17	2.23	2.34	2.33	3.51	3.58	3.80	3.73
36	Electrical machinery	2.05	2.14	2.20	2.22	5.04	5.22	5.30	5.24
37	Transportation equipment	1.81	1.80	1.90	1.84	10.08	10.07	11.19	10.54
38	Instruments and related products	2.02	2.13	2.09	2.05	1.80	1.89	1.88	1.85
	Nondurable goods industries	0.98	1.01	1.02	1.01	0.50	0.50	0.48	0.49
20	Food and kindred products	0.82	0.87	0.87	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	1.76	2.11	1.92	1.97	(X)	(X)	(X)	(X)
22	Textile mill products	1.47	1.46	1.49	1.52	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.19	1.19	1.19	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.21	1.21	1.23	1.21	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.45	0.45	0.45	0.45	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.48	1.54	1.63	1.63	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Nov. 1984	All Novs. 1980-1984	Nov. 1984-Oct. 1985	Year ago Nov. 1984	All Novs. 1980-1984	Nov. 1984-Oct. 1985	Year ago Nov. 1984	All Novs. 1980-1984	Nov. 1984-Oct. 1985	Year ago Nov. 1984	All Novs. 1980-1984	Nov. 1984-Oct. 1985
	All manufacturing industries	0.1	0.2	0.2	0.2	0.3	0.3	0.1	0.1	0.2	0.1	0.0	0.1
	Durable goods industries	0.0	0.3	0.4	0.5	0.5	0.4	0.2	0.1	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products	0.2	0.6	0.8	1.9	1.2	1.3	3.3	1.2	1.3	0.2	0.6	0.4
33	Primary metals	1.0	0.6	0.7	0.6	0.5	1.1	0.2	0.1	0.5	0.3	0.3	0.3
34	Fabricated metal products	1.8	1.1	0.7	1.7	1.8	1.0	0.1	0.4	0.3	0.3	0.5	0.5
35	Machinery, except electrical	1.2	1.0	0.7	0.2	1.6	0.5	0.3	0.3	0.2	0.0	0.1	0.1
36	Electrical machinery	0.9	0.4	1.2	2.7	1.1	1.2	0.3	0.2	0.3	0.0	0.1	0.3
37	Transportation equipment	0.2	0.5	0.5	2.1	1.2	0.9	0.3	0.1	0.2	0.1	0.2	0.2
38	Instruments and related products	1.1	0.4	1.1	2.1	1.0	1.9	0.6	0.3	0.5	0.4	0.2	0.3
	Nondurable goods industries	0.3	0.3	0.3	0.2	0.3	0.3	0.5	0.3	0.5	0.1	0.2	0.2
20	Food and kindred products	0.3	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products	0.0	0.5	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
22	Textile mill products	3.4	0.9	1.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.8	0.7	0.7
26	Paper and allied products	0.4	0.6	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.2	0.3
28	Chemicals and allied product	0.1	0.4	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.6	0.4
29	Petroleum and coal products	0.5	0.8	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.7	0.5
30	Rubber and plastics products	0.3	1.1	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.4
	Capital Goods Industries:												
	Nondefense	1.3	0.6	1.2	1.3	1.4	1.0	0.0	0.1	0.1	0.0	0.1	0.1
	Defense	0.0	0.9	1.0	10.6	3.7	3.8	0.4	0.2	0.2	0.2	0.2	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1(86)-1

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

JANUARY 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3—1(86)—1

For Wire Transmission 10:00 a.m. E.S.T. Wednesday, March 5, 1986

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in January increased $0.9 billion or 0.4 percent from December to $202.1 billion. This is the third consecutive monthly increase. Defense capital goods accounted for the January increase. Excluding defense, orders for manufactured goods declined 1.2 percent.

Shipments in January increased $0.4 billion or 0.2 percent from December to $199.4 billion; durable goods were up 0.3 percent while nondurable goods were flat.

Unfilled orders in January increased $2.7 billion or 0.7 percent to $366.5 billion. The increase was primarily in the defense order backlog. Without defense, there was a decline of 0.2 percent.

Manufacturers' inventories declined $1.2 billion or 0.4 percent to $280.7 billion, the seventh consecutive monthly decline. The inventory to shipments ratio for the month was 1.41, about the same as November and December.

NEW ORDERS. The new orders increase was concentrated in the defense orders components of durable goods. Defense capital goods in total were up $3.2 billion or 45 percent to $10.3 billion.

Within the major industries, tranportation equipment increased $0.3 billion or 0.8 percent to $31.3 billion, an increase in motor vehicles and parts of 14.1 percent more than offset a decline in aircraft of 13.6 percent.

Both of the machinery categories showed order declines in January; electrical was down $0.3 billion or 1.7 percent to $16.0 billion, while nonelectrical was down $0.3 billion or 1.6 percent to $15.9 billion. There was a mixture of increases and decreases in both categories. New orders for nondurable goods declined $0.5 billion or 0.5 percent to $93.2 billion, with large fluctuations in several industries.

SHIPMENTS. Shipments within the durable and nondurable goods sectors showed large offsetting increases and decreases. Within durable goods, motor vehicles and parts were up $2.0 billion or 11.7 percent to $19.5 billion, with smaller increases in lumber; stone, clay, and glass; and miscellaneous durable goods.

Large declines occurred in electrical machinery, down $1.4 billion or 8.6 percent to $14.9 billion, nonelectrical machinery, down $0.5 billion or 3.1 percent to $17.1 billion, and aircraft and parts, down $1.1 billion or 12.5 percent to $7.9 billion.

Within nondurable goods, foods increased $1.0 billion or 3.9 percent, chemicals $0.7 billion or 3.6 percent, and paper $0.3 billion or 3.5 percent. Tobacco manufactures declined $1.0 billion or 49 percent and petroleum products $0.7 billion or 4.3 percent.

UNFILLED ORDERS. The increase in unfilled orders resulted mostly from increases in transportation equipment and electrical machinery. Transportation was up $2.5 billion or 1.6 percent to $156.6 billion; excluding defense aircraft and shipbuilding there was a slight decline. An increase in electrical machinery of $1.1 billion or 1.3 percent to $83.5 billion offset a decrease in nonelectrical of $1.1 billion or 1.9 percent to $58.3 billion.

The nondefense capital goods industries as a group declined $1.1 billion or 0.8 percent to $132.7 billion. The nondefense backlog peaked in September 1984 at $137.1 billion and has been generally declining since then.

The defense unfilled orders increased $3.1 billion or 2.2 percent to $144.6 billion, 39.4 percent of the total manufacturing backlog.

INVENTORIES. The decline in manufacturers' inventories continued a downward trend which began ten months ago after peaking in March at $286.2 billion. Within the durable goods sector, which was down 0.3 percent, declines in primary metals and fabricated metals more than offset small increases in electrical machinery, nonelectrical machinery and transportation equipment. Nondurable goods inventories were down 0.7 percent; petroleum products declined $0.6 billion or 7.5 percent.

Inventories by stage of fabrication for durable goods showed a 2.2 percent decline in materials and supplies and small increases in work in process, and finished goods. In nondurable goods, a 2.8 percent decline in work in process and a 1.1 percent decline in finished goods more than offset a small increase in materials and supplies.

SCHEDULED RELEASE DATES. The advance report on durable goods for February is scheduled for release on March 25, 1986 at 8:30 a.m. and the full report on April 1, 1986 at 10:00 a.m.

APR 1986
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564) or (800/982–5838 in California) and the Glimpse Corporation (703/836–6800). Further information about accessing CENDATA can be obtained from these companies. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1986P	Dec. 1985r	Nov. 1985	Oct. 1985	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1986P	Dec. 1985r	Nov. 1985	Oct. 1985	1986P	1985
	All manufacturing industries	199,438	199,084	200,131	197,229	+0.2	-0.5	+1.5	182,862	192,213	197,448	202,238	182,862	175,771
	Manufacturing industries with unfilled orders	107,008	109,183	108,977	108,294	-2.0	+0.2	+0.6	96,944	107,354	107,916	110,945	96,944	93,671
	Durable goods industries	106,102	105,777	107,007	106,479	+0.3	-1.1	+0.5	95,303	101,517	105,135	109,516	95,303	91,591
	With unfilled orders	85,020	87,465	87,832	87,250	-2.8	-0.4	+0.7	76,350	86,220	86,617	89,001	76,350	74,079
32	Stone, clay, and glass products	5,107	4,773	4,771	4,765	+7.0	0.0	+0.1	4,323	4,162	4,682	5,055	4,323	4,015
322	Glass containers	423	369	428	406	+14.6	-13.8	+5.4	383	313	396	414	383	357
33	Primary metals	10,235	10,263	10,513	10,523	-0.3	-2.4	-0.1	9,926	9,187	9,940	10,520	9,926	10,185
331	Blast furnaces, steel mills	4,270	4,326	4,319	4,384	-1.3	+0.2	-1.5	4,176	3,945	4,081	4,314	4,176	4,281
333-9	Nonferrous and other primary metals	4,716	4,763	4,891	4,857	-1.0	-2.6	+0.7	4,565	4,277	4,607	4,891	4,565	4,746
34	Fabricated metal products	14,282	14,232	14,878	14,932	+0.4	-4.3	-0.4	12,617	13,182	14,513	15,596	12,617	11,936
341	Metal cans, barrels, and drums	926	935	941	942	-1.0	-0.6	-0.1	785	776	799	895	785	773
35	Machinery, except electrical	17,074	17,622	18,161	17,967	-3.1	-3.0	+1.1	15,097	18,904	17,854	17,842	15,097	14,734
351	Engines and turbines	1,098	1,490	1,331	1,199	-26.3	+11.9	+11.0	1,057	1,459	1,230	1,115	1,057	1,087
352	Farm machinery and equipment	930	849	929	914	+9.5	-8.6	+1.6	833	746	817	1,040	833	626
353	Construction, mining, and material handling equipment	3,264	2,863	2,951	2,800	+14.0	-3.0	+5.4	2,918	2,877	2,936	2,850	2,918	2,365
354	Metalworking machinery	836	984	901	931	-15.0	+9.2	-3.2	752	1,005	860	999	752	700
356	General industrial machinery	1,507	1,420	1,488	1,473	+6.1	-4.6	+1.0	1,391	1,485	1,434	1,536	1,391	1,334
357	Office and computing machines	3,515	4,400	4,493	4,708	-20.1	-2.1	-4.6	2,633	6,098	4,816	4,416	2,633	3,190
36	Electrical machinery	14,925	16,338	16,528	15,840	-8.6	-1.1	+4.3	13,690	16,237	16,509	16,104	13,690	13,557
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,978	2,044	2,310	2,260	-3.2	-11.5	+2.2	1,841	2,095	2,238	2,190	1,841	1,723
363	Household appliances	1,445	1,500	1,548	1,429	-3.7	-3.1	+8.3	1,257	1,305	1,413	1,468	1,257	1,363
365	Radio and TV	1,111	1,036	1,003	960	+7.2	+3.3	+4.5	981	990	1,035	1,079	981	840
366	Communication equipment	4,705	5,860	5,621	5,256	-19.7	+4.3	+6.9	4,271	6,188	5,596	5,224	4,271	4,234
367	Electronic components	3,095	3,077	3,220	3,161	+0.6	-4.4	+1.9	2,897	2,883	3,226	3,142	2,897	3,175
37	Transportation equipment	28,839	27,931	27,283	27,421	+3.3	+2.4	-0.5	26,135	25,930	26,971	28,444	26,135	24,341
371	Motor vehicles and parts	19,475	17,428	18,120	17,640	+11.7	-3.8	+2.7	18,206	14,177	17,783	18,824	18,206	17,168
372,6	Aircraft, missiles, and parts	7,911	9,043	7,567	8,172	-12.5	+19.5	-7.4	6,591	10,278	7,694	8,059	6,591	5,734
3731,95	Shipbuilding and military tank vehicles	669	733	806	768	-11.2	-6.6	+4.9	594	830	801	763	594	694
38	Instruments and related products	4,862	4,908	4,789	4,572	-0.9	+2.5	+4.7	4,402	5,068	4,799	4,692	4,402	4,099
381-4	Scientific and engineering instruments	3,167	3,252	3,195	3,042	-2.6	+1.8	+5.0	2,999	3,424	3,102	3,042	2,999	2,683
386	Photographic goods	1,495	1,471	1,409	1,354	+1.6	+4.4	+4.1	1,242	1,496	1,516	1,458	1,242	1,274
24,25, 39	All other durable goods	10,778	9,710	10,084	10,459	+11.0	-3.7	-3.6	9,113	8,847	9,867	11,263	9,113	8,724
	Nondurable goods industries	93,336	93,307	93,124	90,750	0.0	+0.2	+2.6	87,559	90,696	92,313	92,722	87,559	84,180
	With unfilled orders	21,988	21,718	21,145	21,044	+1.2	+2.7	+0.5	20,594	21,134	21,299	21,944	20,594	19,592
20	Food and kindred products	25,696	24,732	25,241	24,160	+3.9	-2.0	+4.5	23,574	24,559	25,038	24,793	23,574	22,817
201	Meat products	5,590	5,510	5,852	5,471	+1.5	-5.8	+7.0	5,372	5,615	5,811	5,679	5,372	5,620
208	Beverages	3,994	3,792	3,919	3,716	+5.3	-3.2	+5.5	3,331	3,299	3,676	3,764	3,331	3,163
207	Fats and oils	1,056	1,077	1,098	1,108	-1.9	-1.9	-0.9	1,083	1,086	1,138	1,106	1,083	1,125
203-6,9	All other foods	11,834	11,176	11,074	10,757	+5.9	+0.9	+2.9	10,769	11,500	11,118	11,155	10,769	9,840
21	Tobacco products	1,089	2,117	1,841	1,567	-48.6	+15.0	+17.5	990	2,274	1,854	1,591	990	1,208
22	Textile mill products	4,578	4,494	4,643	4,659	+1.9	-3.2	-0.3	3,984	4,220	4,513	4,859	3,984	3,706
26	Paper and allied products	8,680	8,390	8,194	8,097	+3.5	+2.4	+1.2	8,415	7,851	7,900	8,177	8,415	7,811
261-3,6	Pulp, paper etc.	3,683	3,574	3,498	3,483	+3.0	+2.2	+0.4	3,492	3,357	3,450	3,453	3,492	3,309
265	Paperboard containers	1,852	1,727	1,691	1,703	+7.2	+2.1	-0.7	1,769	1,553	1,644	1,803	1,769	1,820
264	All other paper products	3,145	3,089	3,005	2,911	+1.8	+2.8	+3.2	3,154	2,941	2,806	2,921	3,154	2,682
28	Chemicals and allied products	18,649	17,994	17,604	17,963	+3.6	+2.2	-2.0	17,735	17,498	16,600	17,209	17,735	17,124
281,6	Industrial chemicals, except pigments	5,971	6,205	6,136	6,073	-3.8	+1.1	+1.0	5,637	6,056	5,860	5,800	5,637	5,452
283,4	Drugs, soaps, and toiletries	5,506	4,874	4,631	4,796	+13.0	+5.2	-3.4	5,247	4,996	4,460	4,719	5,247	4,512
29	Petroleum and coal products	16,016	16,728	16,961	15,949	-4.3	-1.4	+6.3	15,857	16,960	16,981	16,091	15,857	14,699
30	Rubber and plastics products	4,066	4,020	4,131	3,959	+1.1	-2.7	+4.3	3,746	3,574	4,018	4,220	3,746	3,894
23,27, 31	All other nondurable goods	14,562	14,832	14,509	14,396	-1.8	+2.2	+0.8	13,258	13,760	15,409	15,782	13,258	12,921
	Market categories:													
	Home goods and apparel	13,367	13,315	13,661	13,408	+0.4	-2.5	+1.9	11,444	11,211	14,015	14,942	11,444	10,980
	Consumer staples	36,166	35,666	35,385	34,043	+1.4	+0.8	+3.9	33,214	35,873	35,420	34,901	33,214	31,705
	Equipment and defense products, except automotive	29,464	31,906	30,915	30,871	-7.7	+3.2	+0.1	25,725	35,168	30,717	30,746	25,725	24,285
	Automotive equipment	21,514	19,291	20,034	19,550	+11.5	-3.7	+2.5	19,990	15,720	19,476	20,790	19,990	18,938
	Construction materials, supplies and intermediate products	17,915	16,640	17,357	18,086	+7.7	-4.1	-4.0	14,935	15,337	16,891	18,952	14,935	13,906
	Other materials, supplies, and intermediate products	81,012	82,266	82,779	81,271	-1.5	-0.6	+1.9	77,554	78,904	80,929	81,907	77,554	75,957
	Supplementary series:[2]													
	Capital goods industries	32,990	36,573	35,629	35,392	-9.8	+2.6	+0.7	29,005	39,896	35,707	35,178	29,005	27,732
	Nondefense	25,701	28,630	27,771	27,721	-10.2	+3.1	+0.2	22,569	31,329	27,809	27,470	22,569	22,089
	Defense	7,289	7,943	7,858	7,671	-8.2	+1.1	+2.4	6,436	8,567	7,898	7,708	6,436	5,643
	Household durable goods industries	6,715	6,519	6,746	6,505	+3.0	-3.4	+3.7	5,699	5,845	6,737	7,187	5,699	5,521

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1986p	Dec. 1985r	Nov. 1985	Oct. 1985	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1986p	Dec. 1985r	Nov. 1985	Oct. 1985	1986p	1985
	All manufacturing industries	202,094	201,213	196,865	195,381	+0.4	+2.2	+0.8	189,393	198,395	192,718	201,856	189,393	183,087
	Manufacturing industries with unfilled orders	109,664	111,312	105,711	106,446	-1.5	+5.3	-0.7	103,475	113,536	103,186	110,563	103,475	100,987
	Durable goods industries	108,902	107,531	103,796	104,495	+1.3	+3.6	-0.7	101,664	107,294	100,621	109,151	101,664	98,622
	With unfilled orders	87,820	89,219	84,621	85,266	-1.6	+5.4	-0.8	82,711	91,997	82,103	88,636	82,711	81,110
32	Stone, clay, and glass products	5,092	4,962	4,700	4,915	+2.6	+5.6	-4.4	4,379	4,314	4,594	5,146	4,379	4,066
33	Primary metals	10,461	10,059	10,560	10,749	+4.0	-4.7	-1.8	11,101	9,293	10,079	10,482	11,101	11,400
331	Blast furnaces, steel mills	4,249	4,085	4,421	4,638	+4.0	-7.6	-4.7	4,642	3,928	4,243	4,489	4,642	5,040
333-9	Nonferrous and other primary metals	4,847	4,876	4,638	4,858	-0.6	+5.1	-4.5	5,057	4,447	4,368	4,669	5,057	5,041
34	Fabricated metal products	14,164	14,146	15,280	14,837	+0.1	-7.4	+3.0	12,586	13,164	14,614	15,146	12,586	12,099
35	Machinery, except electrical	15,932	16,195	17,983	16,718	-1.6	-9.9	+7.6	14,596	17,508	17,654	17,329	14,596	13,863
351	Engines and turbines	1,320	1,673	1,593	966	-21.1	+5.0	+64.9	1,057	1,474	1,387	1,372	1,057	808
353	Construction, mining, and material handling equipment	3,141	2,945	3,009	2,813	+6.7	-2.1	+7.0	2,909	2,939	3,012	2,857	2,909	2,466
354	Metalworking machinery	843	633	737	899	+33.2	-14.1	-18.0	743	580	690	988	743	815
356	General industrial machinery	1,408	1,348	1,467	1,263	+4.5	-8.1	+16.2	1,378	1,366	1,405	1,359	1,378	1,220
357	Office and computing machines	2,334	2,938	4,089	4,294	-20.6	-28.1	-4.8	1,818	4,976	4,464	4,055	1,818	2,377
36	Electrical machinery	16,021	16,297	16,250	15,820	-1.7	+0.3	+2.7	15,456	16,680	15,522	15,906	15,456	17,354
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,136	2,013	2,154	2,185	+6.1	-6.5	-1.4	1,989	2,042	2,066	2,114	1,989	1,887
363	Household appliances	1,429	1,451	1,531	1,495	-1.5	-5.2	+2.4	1,300	1,276	1,388	1,463	1,300	1,386
365	Radio and TV	1,203	868	986	1,187	+38.6	-12.0	-16.9	1,043	906	953	1,046	1,043	919
366	Communication equipment	5,301	5,218	5,482	5,347	+1.6	-4.8	+2.5	5,300	6,092	5,080	5,435	5,300	7,562
367	Electronic components	3,395	3,927	3,332	2,881	-13.5	+17.9	+15.7	3,389	3,614	3,118	2,896	3,389	3,378
37	Transportation equipment	31,290	31,031	24,199	26,503	+0.8	+28.2	-8.7	29,575	32,537	23,809	29,554	29,575	26,422
372,6	Aircraft, missiles, and parts	11,192	12,961	5,993	7,911	-13.6	+116.3	-24.2	10,467	17,398	5,331	9,661	10,467	7,780
3731,95	Shipbuilding and military tank vehicles	-146	275	-529	325	-153.1	(n)	-262.8	-23	435	214	358	-23	738
38	Instruments and related products	4,895	5,010	4,771	4,579	-2.3	+5.0	+4.2	4,513	5,146	4,743	4,620	4,513	4,261
24,25, 39	All other durable goods	11,047	9,831	10,053	10,374	+12.4	-2.2	-3.1	9,458	8,652	9,606	10,968	9,458	9,157
	Nondurable goods industries	93,192	93,682	93,069	90,886	-0.5	+0.7	+2.4	87,729	91,101	92,097	92,705	87,729	84,465
	With unfilled orders	21,844	22,093	21,090	21,180	-1.1	+4.8	-0.4	20,764	21,539	21,083	21,927	20,764	19,877
	Market categories:													
	Home goods and apparel	13,956	13,151	13,468	13,577	+6.1	-2.4	-0.8	12,038	10,980	13,573	14,580	12,038	11,572
	Consumer staples	36,126	35,676	35,402	34,086	+1.3	+0.8	+3.9	33,268	35,883	35,399	34,928	33,268	31,795
	Equipment and defense products, except automotive	30,102	33,690	28,085	28,595	-10.7	+20.0	-1.8	28,611	39,793	27,727	31,048	28,611	28,518
	Automotive equipment	21,531	18,939	19,918	19,327	+13.7	-4.9	+3.1	20,170	15,619	19,309	20,702	20,170	18,965
	Construction materials, supplies and intermediate products	17,915	16,838	17,230	18,216	+6.4	-2.3	-5.4	14,975	15,335	16,666	18,862	14,975	14,067
	Other materials, supplies, and intermediate products	82,464	82,919	82,762	81,580	-0.5	+0.2	+1.4	80,331	80,785	80,044	81,736	80,331	78,170
	Supplementary series:[2]													
	Capital goods industries	34,915	37,718	32,598	33,271	-7.4	+15.7	-2.0	32,785	44,942	32,003	35,805	32,785	32,635
	Nondefense	24,573	30,566	25,788	27,092	-19.6	+18.5	-4.8	23,013	32,606	25,420	28,232	23,013	22,016
	Defense	10,342	7,152	6,810	6,179	+44.6	+5.0	+10.2	9,772	12,336	6,583	7,573	9,772	10,619
	Household durable goods industries	7,228	6,328	6,665	6,711	+14.2	-5.1	-0.7	6,229	5,590	6,397	6,878	6,229	6,108

p Preliminary. r Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for shipbuilding and military tank vehicles in December was 152.0 percent.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories. Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1986p	Dec. 1985r	Nov. 1985	Oct. 1985	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1986p	Dec. 1985r	Nov. 1985	Oct. 1985	Jan. 1985
	All manufacturing industries..	366,465	363,809	361,680	364,946	+0.7	+0.6	-0.9	367,891	361,360	355,178	359,908	360,261
	Durable goods industries.....	355,836	353,036	351,282	354,493	+0.8	+0.5	-0.9	357,252	350,891	345,114	349,628	350,061
32	Stone, clay, and glass products...	2,760	2,775	2,586	2,657	-0.5	+7.3	-2.7	2,689	2,633	2,481	2,569	2,448
33	Primary metals.....	19,973	19,747	19,951	19,904	+1.1	-1.0	+0.2	20,305	19,130	19,024	18,885	19,719
331	Blast furnaces, steel mills.....	9,170	9,191	9,432	9,330	-0.2	-2.6	+1.1	9,372	8,906	8,923	8,761	9,160
333-9	Nonferrous and other primary metals.....	7,195	7,064	6,951	7,204	+1.9	+1.6	-3.5	7,238	6,746	6,576	6,815	7,412
34	Fabricated metal products.....	20,296	20,414	20,500	20,098	-0.6	-0.4	+2.0	19,926	19,957	19,975	19,874	21,345
35	Machinery, except electrical.....	58,265	59,407	60,834	61,012	-1.9	-2.3	-0.3	58,552	59,053	60,449	60,649	60,105
351	Engines and turbines.....	15,134	14,912	14,729	14,467	+1.5	+1.2	+1.8	15,027	15,027	15,012	14,855	14,883
353	Construction, mining, and material handling equipment....	6,277	6,400	6,318	6,260	-1.9	+1.3	+0.9	6,308	6,317	6,255	6,179	5,994
354	Metalworking machinery.....	3,908	3,901	4,252	4,416	+0.2	-8.3	-3.7	3,869	3,878	4,303	4,473	3,758
356	General industrial machinery....	4,226	4,325	4,397	4,418	-2.3	-1.6	-0.5	4,230	4,243	4,362	4,391	4,547
357	Office and computing machines...	17,861	19,042	20,504	20,908	-6.2	-7.1	-1.9	18,075	18,890	20,012	20,364	19,457
36	Electrical machinery.....	83,435	82,339	82,380	82,658	+1.3	0.0	-0.3	83,207	81,441	80,998	81,985	81,712
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,964	5,806	5,837	5,993	+2.7	-0.5	-2.6	5,889	5,741	5,794	5,966	6,345
363	Household appliances.....	396	412	461	478	-3.9	-10.6	-3.6	400	357	386	411	386
365	Radio and TV.....	592	500	668	685	+18.4	-25.1	-2.5	500	438	522	604	515
366	Communication equipment.....	58,314	57,718	58,360	58,499	+1.0	-1.1	-0.2	58,562	57,533	57,629	58,145	53,897
367	Electronic components.....	16,764	16,464	15,614	15,502	+1.8	+5.4	+0.7	16,462	15,970	15,239	15,347	19,099
37	Transportation equipment.....	156,573	154,122	151,022	154,106	+1.6	+2.1	-2.0	158,615	155,175	148,568	151,730	150,642
372,6	Aircraft, missiles, and parts...	134,066	130,785	126,867	128,441	+2.5	+3.1	-1.2	135,408	131,532	124,412	126,775	122,585
3731,95	Shipbuilding and military tank vehicles.....	16,608	17,424	17,902	19,238	-4.7	-2.7	-6.9	16,970	17,588	17,983	18,570	20,901
38	Instruments and related products..	8,766	8,733	8,631	8,649	+0.4	+1.2	-0.2	8,715	8,604	8,526	8,582	8,474
24,25, 39	All other durable goods.....	5,768	5,499	5,378	5,409	+4.9	+2.2	-0.6	5,243	4,898	5,093	5,354	5,616
	Nondurable goods industries.....	10,629	10,773	10,398	10,453	-1.3	+3.6	-0.5	10,639	10,469	10,064	10,280	10,200
	Market categories:												
	Home goods and apparel.....	4,791	4,202	4,366	4,559	+14.0	-3.8	-4.2	4,212	3,618	3,849	4,291	4,423
	Consumer staples.....	711	751	741	724	-5.3	+1.3	+2.3	787	733	723	744	723
	Equipment and defense products, except automotive.....	228,902	228,264	226,480	229,310	+0.3	+0.8	-1.2	231,146	228,260	223,635	226,625	224,135
	Automotive equipment.....	5,394	5,377	5,729	5,845	+0.3	-6.1	-2.0	5,734	5,554	5,655	5,822	6,515
	Construction materials, supplies and intermediate products.....	12,418	12,418	12,220	12,347	0.0	+1.6	-1.0	12,016	11,976	11,978	12,203	12,356
	Other materials, supplies, and intermediate products.....	114,249	112,797	112,144	112,161	+1.3	+0.6	0.0	113,996	111,219	109,338	110,223	112,109
	Supplementary series:[2]												
	Capital goods industries.....	277,245	275,320	274,175	277,206	+0.7	+0.4	-1.1	279,320	275,540	270,494	274,198	268,762
	Nondefense.....	132,695	133,823	131,887	133,870	-0.8	+1.5	-1.5	133,146	132,702	131,425	133,814	132,759
	Defense.....	144,550	141,497	142,288	143,336	+2.2	-0.6	-0.7	146,174	142,838	139,069	140,384	136,003
	Household durable goods industries.....	4,262	3,749	3,940	4,021	+13.7	-4.8	-2.0	3,710	3,180	3,435	3,775	4,021

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1986P	Dec. 1985r	Nov. 1985	Oct. 1985	Dec.- Jan.P	Nov.- Dec.r	Oct.- Nov.	Jan. 1986P	Dec. 1985r	Nov. 1985	Oct. 1985	Jan. 1985
	All manufacturing industries..	280,657	281,884	281,993	282,444	-0.4	0.0	-0.2	279,331	277,885	280,930	282,136	284,529
	Manufacturing industries with unfilled orders.....	196,150	196,894	198,003	198,563	-0.4	-0.6	-0.3	194,135	193,407	196,489	197,918	197,689
	Durable goods industries.....	188,559	189,164	190,284	190,508	-0.3	-0.6	-0.1	186,999	186,014	188,867	189,961	190,648
	With unfilled orders.....	172,898	173,361	174,576	174,999	-0.3	-0.7	-0.2	171,222	170,489	173,505	174,754	174,239
32	Stone, clay, and glass products...	5,639	5,666	5,721	5,648	-0.5	-1.0	+1.3	5,580	5,574	5,536	5,466	5,850
322	Glass containers.....	654	649	644	622	+0.8	+0.8	+3.5	636	630	638	615	599
33	Primary metals.....	17,315	17,837	17,986	18,146	-2.9	-0.8	-0.9	17,377	17,591	17,969	18,108	19,657
331	Blast furnaces, steel mills.....	7,490	7,830	8,082	8,139	-4.3	-3.1	-0.7	7,587	7,861	8,203	8,229	9,066
333-9	Nonferrous and other primary metals.....	8,557	8,735	8,671	8,774	-2.0	+0.7	-1.2	8,540	8,490	8,550	8,660	9,286
34	Fabricated metal products.....	19,191	19,385	19,317	19,282	-1.0	+0.4	+0.2	19,036	18,915	18,764	18,943	18,985
341	Metal cans, barrels, and drums..	2,261	2,252	2,273	2,360	+0.4	-0.9	-3.7	2,277	2,043	1,923	1,999	2,454
35	Machinery, except electrical.....	39,486	39,448	39,710	39,999	+0.1	-0.7	-0.7	39,175	38,890	39,518	39,914	41,134
351	Engines and turbines.....	1,839	1,808	1,923	1,951	+1.7	-6.0	-1.4	1,848	1,807	1,924	1,959	2,244
352	Farm machinery and equipment....	1,843	1,928	1,820	1,820	-4.4	+5.9	0.0	1,847	1,870	1,740	1,733	1,911
353	Construction, mining, and material handling equipment....	6,299	6,384	6,263	6,364	-1.3	+1.9	-1.6	6,249	6,282	6,232	6,319	6,763
354	Metalworking machinery.....	2,844	2,752	2,770	2,720	+3.3	-0.6	+1.8	2,818	2,708	2,778	2,731	2,544
356	General industrial machinery.../.	3,429	3,334	3,439	3,420	+2.8	-3.1	+0.6	3,446	3,311	3,408	3,376	3,512
357	Office and computing machines...	12,079	12,123	12,333	12,483	-0.4	-1.7	-1.2	11,837	11,953	12,296	12,595	12,612
36	Electrical machinery.....	33,561	33,496	33,524	33,910	+0.2	-0.1	-1.1	33,034	32,876	33,228	33,830	32,861
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,245	4,222	4,284	4,397	+0.5	-1.4	-2.6	4,164	4,162	4,290	4,445	4,593
363	Household appliances.....	2,237	2,294	2,307	2,337	-2.5	-0.6	-1.3	2,206	2,172	2,150	2,225	2,623
365	Radio and TV.....	1,313	1,318	1,358	1,372	-0.4	-2.9	-1.0	1,246	1,278	1,344	1,356	1,316
366	Communication equipment.....	14,716	14,778	14,796	14,859	-0.4	-0.1	-0.4	14,575	14,558	14,752	14,911	13,309
367	Electronic components.....	6,108	5,913	6,006	6,138	+3.3	-1.5	-2.2	6,010	5,919	5,976	6,120	6,485
37	Transportation equipment.....	49,213	49,068	49,611	49,251	+0.3	-1.1	+0.7	48,829	48,396	49,779	49,589	47,486
371	Motor vehicles and parts.....	11,304	11,477	11,335	11,263	-1.5	+1.3	+0.6	11,466	11,365	11,445	11,511	11,149
372,6	Aircraft, missiles, and parts...	34,743	34,494	35,078	34,827	+0.7	-1.7	+0.7	34,140	33,844	35,070	34,912	33,124
3731,95	Shipbuilding and military tank vehicles.....	1,518	1,463	1,550	1,500	+3.8	-5.6	+3.3	1,508	1,448	1,547	1,512	1,297
38	Instruments and related products..	9,573	9,594	9,701	9,741	-0.2	-1.1	-0.4	9,441	9,376	9,608	9,656	9,408
381-4	Scientific and engineering instruments.....	6,757	6,850	6,938	7,001	-1.4	-1.3	-0.9	6,683	6,720	6,903	6,938	6,766
386	Photographic goods.....	2,219	2,150	2,144	2,117	+3.2	+0.3	+1.3	2,159	2,064	2,110	2,115	2,030
24,25, 39	All other durable goods.....	14,581	14,670	14,714	14,531	-0.6	-0.3	+1.3	14,527	14,396	14,465	14,455	15,267
	Nondurable goods industries.....	92,098	92,720	91,709	91,936	-0.7	+1.1	-0.2	92,332	91,871	92,063	92,175	93,881
	With unfilled orders.....	23,252	23,533	23,427	23,564	-1.2	+0.5	-0.6	22,913	22,918	22,984	23,164	23,450
20	Food and kindred products.....	21,028	21,094	20,779	21,110	-0.3	+1.5	-1.6	21,607	21,524	21,987	22,202	21,910
201	Meat products.....	2,284	2,339	2,247	2,380	-2.4	+4.1	-5.6	2,314	2,248	2,308	2,351	2,269
208	Beverages.....	3,361	3,382	3,375	3,439	-0.6	+0.2	-1.9	3,422	3,382	3,304	3,398	3,490
207	Fats and oils.....	1,112	991	961	1,106	+12.2	+3.1	-13.1	1,263	1,152	1,168	1,130	1,296
203-6,9	All other foods.....	12,579	12,623	12,473	12,483	-0.3	+1.2	-0.1	12,919	13,052	13,546	13,631	13,087
21	Tobacco products.....	3,274	3,270	3,245	3,314	+0.1	+0.8	-2.1	3,487	3,440	3,300	3,367	3,833
22	Textile mill products.....	6,636	6,744	6,651	6,781	-1.6	+1.4	-1.9	6,641	6,586	6,494	6,551	6,950
26	Paper and allied products.....	9,804	9,728	9,659	9,629	+0.8	+0.7	+0.3	9,679	9,600	9,630	9,512	9,754
261-3,6	Pulp, paper etc.....	3,958	3,800	3,703	3,720	+4.2	+2.6	-0.5	3,911	3,790	3,703	3,701	3,747
265	Paperboard containers.....	2,356	2,363	2,259	2,275	-0.3	+4.6	-0.7	2,318	2,344	2,239	2,232	2,642
264	All other paper products.....	3,490	3,565	3,697	3,634	-2.1	-3.6	+1.7	3,450	3,466	3,688	3,579	3,365
28	Chemicals and allied products.....	21,633	21,419	21,677	21,697	+1.0	-1.2	-0.1	21,691	21,293	21,624	21,472	21,412
281,6	Industrial chemicals, except pigments.....	6,759	6,434	6,488	6,635	+5.1	-0.8	-2.2	6,793	6,344	6,469	6,589	6,555
283,4	Drugs, soaps, and toiletries.....	6,870	6,852	6,865	6,928	+0.3	-0.2	-0.9	6,767	6,715	6,879	6,845	6,681
29	Petroleum and coal products.....	7,329	7,920	7,464	7,190	-7.5	+6.1	+3.8	7,307	7,766	7,774	7,373	8,183
30	Rubber and plastics products.....	6,378	6,313	6,161	6,094	+1.0	+2.5	+1.1	6,304	6,205	5,981	5,966	5,867
23,27, 31	All other nondurable goods.....	16,016	16,232	16,073	16,121	-1.3	+1.0	-0.3	15,616	15,457	15,273	15,732	15,972
	Market categories:												
	Home goods and apparel.....	21,973	22,060	21,876	21,916	-0.4	+0.8	-0.2	21,612	21,223	20,854	21,310	22,747
	Consumer staples.....	33,667	33,823	33,677	34,022	-0.5	+0.4	-1.0	34,130	33,999	34,587	34,996	34,592
	Equipment and defense products, except automotive.....	84,105	83,871	85,188	85,136	+0.3	-1.5	+0.1	83,316	82,777	84,847	85,099	84,008
	Automotive equipment.....	13,556	13,795	13,731	13,641	-1.7	+0.5	+0.7	13,792	13,755	13,830	13,803	13,738
	Construction materials, supplies and intermediate products.....	19,056	19,256	19,178	18,791	-1.0	+0.4	+2.1	18,875	18,941	18,805	18,609	19,406
	Other materials, supplies, and intermediate products.....	108,300	109,079	108,343	108,938	-0.7	+0.7	-0.5	107,606	107,190	108,007	108,319	110,038
	Supplementary series:[2]												
	Capital goods industries.....	97,011	96,735	97,669	97,879	+0.3	-1.0	-0.2	95,747	95,041	97,400	97,981	95,219
	Nondefense.....	70,278	70,465	71,071	71,292	-0.3	-0.9	-0.3	69,559	69,212	71,252	71,667	72,606
	Defense.....	26,733	26,270	26,598	26,587	+1.8	-1.2	0.0	26,188	25,829	26,148	26,314	22,613
	Household durable goods industries.....	10,888	10,974	11,156	11,176	-0.8	-1.6	-0.2	10,720	10,633	10,743	10,946	11,649

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1986[p]	Dec. 1985[r]	Nov. 1985	Oct. 1985	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1986[p]	Dec. 1985[r]	Nov. 1985	Oct. 1985	Jan. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	88,086	89,030	88,050	89,183	-1.1	+1.1	-1.3	88,612	89,245	87,721	88,717	93,345
	Durable goods industries.....	52,334	53,527	52,999	53,644	-2.2	+1.0	-1.2	52,340	53,418	52,978	53,725	56,066
32	Stone, clay, and glass products...	1,776	1,754	1,792	1,769	+1.3	-2.1	+1.3	1,774	1,767	1,776	1,764	1,862
33	Primary metals.....	4,974	5,109	5,277	5,485	-2.6	-3.2	-3.8	5,074	5,264	5,421	5,581	6,242
34	Fabricated metal products.....	7,233	7,401	7,320	7,468	-2.3	+1.1	-2.0	7,252	7,350	7,162	7,373	7,325
35	Machinery, except electrical.....	10,806	11,040	11,156	11,299	-2.1	-1.0	-1.3	10,804	10,972	11,125	11,266	11,943
36	Electrical Machinery.....	7,730	7,977	7,969	8,056	-3.1	+0.1	-1.1	7,712	7,902	7,844	7,995	8,723
37	Transportation equipment.....	11,552	12,059	11,485	11,581	-4.2	+5.0	-0.8	11,437	11,929	11,524	11,578	11,540
38	Instruments and related products..	2,645	2,646	2,658	2,708	0.0	-0.5	-1.8	2,642	2,628	2,642	2,715	2,725
24,25, 39	All other durable goods.....	5,618	5,541	5,342	5,278	+1.4	+3.7	+1.2	5,645	5,606	5,484	5,453	5,706
	Nondurable goods industries.....	35,752	35,503	35,051	35,539	+0.7	+1.3	-1.4	36,272	35,827	34,743	34,992	37,279
20	Food and kindred products.....	7,478	7,416	7,242	7,564	+0.8	+2.4	-4.3	7,833	7,656	7,482	7,579	8,104
21	Tobacco products.....	2,746	2,754	2,719	2,763	-0.3	+1.3	-1.6	2,985	2,969	2,679	2,658	3,305
22	Textile mill products.....	2,083	2,077	1,993	2,071	+0.3	+4.2	-3.8	2,092	2,050	1,926	1,948	2,162
26	Paper and allied products.....	4,820	4,681	4,711	4,651	+3.0	-0.6	+1.3	4,784	4,730	4,689	4,633	4,886
28	Chemicals and allied products.....	7,956	7,957	8,059	8,083	0.0	-1.3	-0.3	8,015	7,935	7,901	7,921	8,272
29	Petroleum and coal products.....	2,085	2,198	2,062	1,861	-5.1	+6.6	+10.8	2,074	2,107	2,048	1,856	2,050
30	Rubber and plastics products.....	2,332	2,246	2,102	2,033	+3.8	+6.9	+3.4	2,327	2,322	2,071	2,029	1,947
23,27, 31	All other nondurable goods.....	6,252	6,174	6,163	6,513	+1.3	+0.2	-5.4	6,162	6,058	5,947	6,368	6,553
	WORK IN PROCESS												
	All manufacturing industries..	104,507	104,480	105,700	105,679	0.0	-1.2	0.0	103,522	102,202	105,400	106,070	102,393
	Durable goods industries.....	90,348	89,912	91,020	91,072	+0.5	-1.2	-0.1	89,551	88,084	90,733	91,375	87,944
32	Stone, clay, and glass products...	774	790	800	814	-2.0	-1.3	-1.7	766	762	757	777	783
33	Primary metals.....	6,999	7,326	7,165	7,263	-4.5	+2.2	-1.3	7,084	7,077	7,103	7,236	7,561
34	Fabricated metal products.....	6,924	7,100	7,238	7,026	-2.5	-1.9	+3.0	6,762	6,753	6,988	6,958	6,772
35	Machinery, except electrical.....	16,319	16,004	15,906	16,156	+2.0	+0.6	-1.5	16,235	15,777	15,957	16,304	16,510
36	Electrical Machinery.....	19,625	19,361	19,431	19,674	+1.4	-0.4	-1.2	19,323	19,003	19,399	19,720	17,827
37	Transportation equipment.....	32,436	31,939	32,840	32,400	+1.6	-2.7	+1.4	32,177	31,467	32,951	32,716	30,788
38	Instruments and related products..	4,035	4,090	4,191	4,208	-1.3	-2.4	-0.4	3,965	3,989	4,166	4,173	4,007
24,25, 39	All other durable goods.....	3,236	3,302	3,449	3,531	-2.0	-4.3	-2.3	3,239	3,256	3,412	3,491	3,696
	Nondurable goods industries.....	14,159	14,568	14,680	14,607	-2.8	-0.8	+0.5	13,971	14,118	14,667	14,695	14,449
20	Food and kindred products.....	1,610	1,568	1,601	1,657	+2.7	-2.1	-3.4	1,661	1,619	1,616	1,636	1,718
21	Tobacco products.....	219	265	211	249	-17.4	+25.6	-15.3	196	246	297	405	243
22	Textile mill products.....	1,924	1,996	2,023	2,058	-3.6	-1.3	-1.7	1,944	1,978	2,009	2,048	1,976
26	Paper and allied products.....	1,140	1,183	1,184	1,140	-3.6	-0.1	+3.9	1,114	1,130	1,176	1,143	1,123
28	Chemicals and allied products.....	3,537	3,536	3,685	3,740	0.0	-4.0	-1.5	3,471	3,431	3,687	3,736	3,467
29	Petroleum and coal products.....	1,075	1,413	1,385	1,308	-23.9	+2.0	+5.9	1,033	1,338	1,384	1,278	1,468
30	Rubber and plastics products.....	1,212	1,173	1,165	1,174	+3.3	+0.7	-0.8	1,202	1,148	1,170	1,181	1,194
23,27, 31	All other nondurable goods.....	3,442	3,434	3,426	3,281	+0.2	+0.2	+4.4	3,350	3,228	3,328	3,268	3,260
	FINISHED GOODS												
	All manufacturing industries..	88,064	88,374	88,243	87,582	-0.4	+0.1	+0.8	87,197	86,438	87,809	87,349	88,791
	Durable goods industries.....	45,877	45,725	46,265	45,792	+0.3	-1.2	+1.0	45,108	44,512	45,156	44,861	46,638
32	Stone, clay, and glass products...	3,089	3,122	3,129	3,065	-1.1	-0.2	+2.1	3,040	3,045	3,003	2,925	3,205
33	Primary metals.....	5,342	5,402	5,544	5,398	-1.1	-2.6	+2.7	5,219	5,250	5,445	5,291	5,854
34	Fabricated metal products.....	5,034	4,884	4,759	4,788	+3.1	+2.6	-0.6	5,022	4,812	4,614	4,612	4,888
35	Machinery, except electrical.....	12,361	12,404	12,648	12,544	-0.3	-1.9	+0.8	12,136	12,141	12,436	12,344	12,681
36	Electrical Machinery.....	6,206	6,158	6,124	6,180	+0.8	+0.6	-0.9	5,999	5,971	5,985	6,115	6,311
37	Transportation equipment.....	5,225	5,070	5,286	5,270	+3.1	-4.1	+0.3	5,215	5,000	5,304	5,295	5,158
38	Instruments and related products..	2,893	2,858	2,852	2,825	+1.2	+0.2	+1.0	2,834	2,759	2,800	2,768	2,676
24,25, 39	All other durable goods.....	5,727	5,827	5,923	5,722	-1.7	-1.6	+3.5	5,643	5,534	5,569	5,511	5,865
	Nondurable goods industries.....	42,187	42,649	41,978	41,790	-1.1	+1.6	+0.4	42,089	41,926	42,653	42,488	42,153
20	Food and kindred products.....	11,940	12,110	11,936	11,889	-1.4	+1.5	+0.4	12,113	12,249	12,889	12,987	12,088
21	Tobacco products.....	309	251	315	302	+23.1	-20.3	+4.3	306	225	324	304	285
22	Textile mill products.....	2,629	2,671	2,635	2,652	-1.6	+1.4	-0.6	2,605	2,558	2,559	2,555	2,812
26	Paper and allied products.....	3,844	3,864	3,764	3,838	-0.5	+2.7	-1.9	3,781	3,740	3,765	3,736	3,745
28	Chemicals and allied products.....	10,140	9,926	9,933	9,874	+2.2	-0.1	+0.6	10,205	9,927	10,036	9,815	9,673
29	Petroleum and coal products.....	4,169	4,309	4,017	4,021	-3.2	+7.3	-0.1	4,200	4,321	4,342	4,239	4,665
30	Rubber and plastics products.....	2,834	2,894	2,894	2,887	-2.1	0.0	+0.2	2,775	2,735	2,740	2,756	2,726
23,27, 31	All other nondurable goods.....	6,322	6,624	6,484	6,327	-4.6	+2.2	+2.5	6,104	6,171	5,998	6,096	6,159

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1986P	Dec. 1985r	Nov. 1985	Oct. 1985	Jan. 1986P	Dec. 1985r	Nov. 1985	Oct. 1985
	All manufacturing industries	1.41	1.42	1.41	1.43	3.42	3.33	3.32	3.37
	Durable goods industries	1.78	1.79	1.78	1.79	4.19	4.04	4.00	4.06
32	Stone, clay, and glass products	1.10	1.19	1.20	1.19	0.59	0.63	0.60	0.61
33	Primary metals	1.69	1.74	1.71	1.72	1.95	1.92	1.90	1.89
34	Fabricated metal products	1.34	1.36	1.30	1.29	1.52	1.54	1.47	1.44
35	Machinery, except electrical	2.31	2.24	2.19	2.23	3.61	3.54	3.53	3.58
36	Electrical machinery	2.25	2.05	2.03	2.14	5.59	5.04	4.98	5.22
37	Transportation equipment	1.71	1.76	1.82	1.80	10.32	9.58	10.17	10.07
38	Instruments and related products	1.97	1.95	2.03	2.13	1.80	1.78	1.80	1.89
	Nondurable goods industries	0.99	0.99	0.98	1.01	0.48	0.50	0.49	0.50
20	Food and kindred products	0.82	0.85	0.82	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	3.01	1.54	1.76	2.11	(X)	(X)	(X)	(X)
22	Textile mill products	1.45	1.50	1.43	1.46	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.13	1.16	1.18	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.16	1.19	1.23	1.21	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.46	0.47	0.44	0.45	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.57	1.57	1.49	1.54	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1985	All Jans. 1981-1985	Jan. 1985-Dec. 1985	Year ago Jan. 1985	All Jans. 1981-1985	Jan. 1985-Dec. 1985	Year ago Jan. 1985	All Jans. 1981-1985	Jan. 1985-Dec. 1985	Year ago Jan. 1985	All Jans. 1981-1985	Jan. 1985-Dec. 1985
	All manufacturing industries.	0.1	0.4	0.2	1.1	0.6	0.3	0.6	0.2	0.1	0.0	0.1	0.1
	Durable goods industries	0.9	0.5	0.3	1.4	0.7	0.4	0.6	0.2	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products	0.9	1.5	0.9	1.1	1.3	1.2	0.3	1.2	1.0	2.4	1.0	0.4
33	Primary metals	0.7	0.6	0.9	1.9	1.2	1.2	0.7	0.4	0.4	0.1	0.3	0.2
34	Fabricated metal products	0.3	1.5	0.6	1.5	1.8	0.9	0.7	0.4	0.4	0.1	0.2	0.6
35	Machinery, except electrical	0.5	1.3	0.5	0.5	1.4	0.6	0.0	0.3	0.2	0.2	0.1	0.2
36	Electrical machinery	4.1	1.9	1.3	2.9	1.2	1.5	1.4	0.3	0.3	0.3	0.2	0.2
37	Transportation equipment	1.9	1.0	0.4	1.3	2.0	1.0	0.5	0.3	0.2	0.2	0.4	0.2
38	Instruments and related products.	1.3	0.9	1.1	4.1	2.0	1.7	0.2	0.6	0.5	0.6	1.0	0.3
	Nondurable goods industries	0.8	0.5	0.3	0.8	0.6	0.3	0.4	0.6	0.5	0.2	0.4	0.2
20	Food and kindred products	0.6	1.2	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.2	0.6	0.4
21	Tobacco products	0.0	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.1
22	Textile mill products	0.4	2.0	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.3	0.7
26	Paper and allied products	0.5	1.1	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.8	0.3
28	Chemicals and allied product	0.5	1.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.9	0.3
29	Petroleum and coal products	0.7	1.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	1.1	0.7
30	Rubber and plastics products	1.2	1.2	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.8	0.6
	Capital Goods Industries:												
	Nondefense	2.3	1.6	0.9	0.6	1.6	0.7	0.3	0.3	0.1	0.0	0.1	0.2
	Defense	3.4	1.9	1.0	7.6	4.3	3.8	0.7	0.4	0.2	0.2	0.3	0.5

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are he simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the urable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

C3.158:
M3-1(86)-3

CURRENT INDUSTRIAL REPORTS

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
1985
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

MARCH 1986
M3-1(86)-3
For Wire Transmission 10:00a.m. E.D.T. Wednesday, April 30, 1986

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in March declined $4.7 billion or 2.3 percent from February to $194.2 billion. This is the largest 1-month decline since the 3.3 percent decrease in April 1984. Excluding a large increase in orders for defense capital goods of 45 percent, orders for March were down 4.1 percent.

Shipments in March were down $4.7 billion or 2.4 percent to $191.9 billion, the largest 1-month decline since the 2.8 percent decrease in October 1982. The durable goods sector in March declined 2.5 percent while nondurables declined 2.3 percent.

Unfilled orders in March increased $2.3 billion or 0.6 percent to $370.8 billion, mostly due to an increase in defense orders; excluding defense, unfilled orders declined 0.5 percent.

Manufacturers' inventories in March were $279.4 billion, about the same as February. Most industries showed little change except those producing defense capital goods, which as a group increased 3.0 percent. The inventory to shipments ratio for March rose to 1.46 from 1.42 in February, due to the decline in shipments.

NEW ORDERS. The 2.3 percent decline in March new orders resulted from decreases of 2.1 percent in durables and 2.7 percent in nondurables. Within durable goods, large decreases in most industries were partially offset by increases for defense orders in electrical machinery and transportation equipment. Primary metals declined $0.9 billion or 8.7 percent to $9.7 billion, fabricated metals were down $1.0 billion or 7.1 percent to $13.3 billion, and nonelectrical machinery was down $1.4 billion or 7.8 percent to $17.1 billion. Transportation equipment was flat at $28.5 billion as a large decline in motor vehicles and parts was offset by an increase in defense shipbuilding. Electrical machinery was up $1.3 billion or 8.5 percent, mostly due to an increase in defense communication equipment.

The decline in nondurables of 2.7 percent followed a 2.1 percent decline in February. The declines in March were primarily in the petroleum and chemical industries, while the February decline was nearly all in petroleum; for these industries new orders are considered equal to shipments within the month.

SHIPMENTS. The decline in durable goods shipments of 2.5 percent was the largest since a 3.7 percent drop in October 1982. Virtually all of the March decline resulted from a decrease in motor vehicles and parts, down $2.4 billion or 12.8 percent to $16.1 billion. Smaller declines were reported in several other major industries, although both electrical and nonelectrical machinery shipments increased; electrical was up 2.5 percent and nonelectrical 3.0 percent.

The decline in nondurable goods was caused mostly by sharp decreases in petroleum products, down $1.2 billion or 8.6 percent and chemicals, down $1.0 billion or 5.7 percent. Petroleum also declined in February $1.8 billion or 11.3 percent.

UNFILLED ORDERS. Unfilled orders for durable goods increased $2.4 billion or 0.7 percent to $360.0 billion. Transportation equipment increased $3.4 billion or 2.2 percent to $160.5 billion; defense shipbuilding and commercial aircraft and parts caused the increase. Electrical machinery was up $0.8 billion or 1.0 percent to $83.6 billion as a result of an increase in defense communication equipment. Nonelectrical machinery, fabricated metals, and instruments and related products had the largest declines.

INVENTORIES. Inventories in the durable goods sector increased in March $0.6 billion or 0.3 percent to $188.2 billion, as a result of increases by defense contractors; excluding defense, durable goods inventories showed a slight decline from February. Nondurable goods inventories were down $0.4 billion or 0.5 percent to $91.2 billion, mostly due to a $0.6 billion or 8.7 percent decrease in the petroleum products industry.

Inventories by stage of fabrication showed a decline in materials and supplies of 0.7 percent, an increase in work in process of 0.8 percent and virtually no change in finished goods. The increase in work in process inventories was in durable goods and was influenced by increases by defense contractors; work in process in the nondurable sector declined 2.2 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for April is scheduled for release on May 22, 1986 at 8:30 a.m. and the full report on June 2, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.	Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	1986p	1985
	All manufacturing industries	191,876	196,572	198,960	199,084	-2.4	-1.2	-0.1	201,409	196,953	182,381	192,213	580,743	572,263
	Manufacturing industries with unfilled orders	106,698	107,736	106,913	109,183	-1.0	+0.8	-2.1	112,634	108,057	96,862	107,354	317,553	308,606
	Durable goods industries	103,223	105,843	105,874	105,777	-2.5	0.0	+0.1	110,296	106,013	95,096	101,517	311,405	302,745
	With unfilled orders	84,729	85,958	84,818	87,465	-1.4	+1.3	-3.0	90,122	86,125	76,169	86,220	252,416	246,654
32	Stone, clay, and glass products	4,747	4,901	5,209	4,773	-3.1	-5.9	+9.1	4,802	4,563	4,409	4,162	13,774	13,131
322	Glass containers	400	442	423	369	-9.5	+4.5	+14.6	430	412	383	313	1,225	1,145
33	Primary metals	9,835	10,159	10,119	10,263	-3.2	+0.4	-1.4	10,692	10,509	9,815	9,187	31,016	31,868
331	Blast furnaces, steel mills	3,908	4,173	4,246	4,326	-6.4	-1.7	-1.8	4,279	4,369	4,153	3,945	12,801	13,343
333-9	Nonferrous and other primary metals	4,782	4,736	4,636	4,763	+1.0	+2.2	-2.7	5,174	4,873	4,488	4,277	14,535	14,860
34	Fabricated metal products	13,920	14,300	14,466	14,232	-2.7	-1.1	+1.6	14,562	14,116	12,777	13,182	41,455	39,097
341	Metal cans, barrels, and drums	849	870	926	935	-2.4	-6.0	-1.0	843	846	785	776	2,474	2,599
35	Machinery, except electrical	17,754	17,237	17,007	17,622	+3.0	+1.4	-3.5	19,221	17,369	15,048	18,904	51,638	51,823
351	Engines and turbines	1,396	1,177	1,103	1,490	+18.6	+6.7	-26.0	1,596	1,230	1,062	1,459	3,888	3,827
352	Farm machinery and equipment	844	755	929	849	+11.8	-18.7	+9.4	990	781	832	746	2,603	2,472
353	Construction, mining, and material handling equipment	3,418	3,206	3,293	2,863	+6.6	-2.6	+15.0	3,418	3,286	2,944	2,877	9,648	7,935
354	Metalworking machinery	909	866	822	984	+5.0	+5.4	-16.5	998	895	739	1,005	2,632	2,540
356	General industrial machinery	1,467	1,442	1,506	1,420	+1.7	-4.2	+6.1	1,526	1,478	1,390	1,485	4,394	4,155
357	Office and computing machines	4,103	3,675	3,443	4,400	+11.6	+6.7	-21.8	4,558	3,410	2,579	6,098	10,547	12,831
36	Electrical machinery	16,214	15,819	14,841	16,338	+2.5	+6.6	-9.2	17,054	15,887	13,614	16,237	46,555	45,197
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,249	2,066	2,006	2,044	+8.9	+3.0	-1.9	2,441	2,118	1,867	2,095	6,426	6,013
363	Household appliances	1,359	1,340	1,476	1,500	+1.4	-9.2	-1.6	1,424	1,343	1,284	1,305	4,051	4,134
365	Radio and TV	1,063	1,014	1,017	1,036	+4.8	-0.3	-1.8	1,075	973	898	990	2,946	2,713
366	Communication equipment	5,503	5,427	4,728	5,860	+1.4	+14.8	-19.3	5,903	5,365	4,292	6,188	15,560	14,915
367	Electronic components	3,432	3,263	3,100	3,077	+5.2	+5.3	+0.7	3,538	3,341	2,902	2,883	9,781	10,240
37	Transportation equipment	25,039	27,962	28,520	27,931	-10.5	-2.0	+2.1	27,543	28,381	25,861	25,930	81,785	78,687
371	Motor vehicles and parts	16,106	18,461	19,448	17,428	-12.8	-5.1	+11.6	17,872	18,891	18,180	14,177	54,943	53,034
372,6	Aircraft, missiles, and parts	7,479	7,942	7,620	9,043	-5.8	+4.2	-15.7	8,015	7,843	6,346	10,278	22,204	20,572
3731,95	Shipbuilding and military tank vehicles	690	715	671	753	-3.5	+6.6	-10.9	720	717	595	830	2,032	2,507
38	Instruments and related products	4,620	4,696	4,842	4,908	-1.6	-3.0	-1.3	4,863	4,556	4,383	5,068	13,802	13,690
381-4	Scientific and engineering instruments	2,999	3,047	3,145	3,252	-1.6	-3.1	-3.3	3,224	3,007	2,978	3,424	9,209	9,122
386	Photographic goods	1,458	1,463	1,496	1,471	-0.3	-2.2	+1.7	1,459	1,365	1,243	1,496	4,067	4,028
24,25, 39	All other durable goods	11,094	10,769	10,870	9,710	+3.0	-0.9	+11.9	11,559	10,632	9,189	8,847	31,380	29,252
	Nondurable goods industries	88,653	90,729	93,086	93,307	-2.3	-2.5	-0.2	91,113	90,940	87,285	90,696	269,338	269,518
	With unfilled orders	21,969	21,778	22,095	21,718	+0.9	-1.4	+1.7	22,512	21,932	20,693	21,134	65,137	61,952
20	Food and kindred products	24,733	24,933	25,817	24,732	-0.8	-3.4	+4.4	25,621	25,008	23,672	24,559	74,301	73,725
201	Meat products	5,365	5,459	5,524	5,510	-1.7	-1.2	+0.3	5,290	5,350	5,309	5,615	15,949	16,930
208	Beverages	3,866	3,846	4,135	3,792	+0.5	-7.0	+9.0	3,839	3,592	3,449	3,299	10,880	10,209
207	Fats and oils	1,043	1,126	1,057	1,077	-7.4	+6.5	-1.9	1,068	1,123	1,084	1,086	3,275	3,413
203-6,9	All other foods	11,183	11,317	11,841	11,176	-1.2	-4.4	+6.0	12,122	11,758	10,775	11,500	34,655	33,640
21	Tobacco products	2,204	1,800	1,089	2,117	+22.4	+65.3	-48.6	2,116	1,627	990	2,274	4,733	4,530
22	Textile mill products	4,511	4,452	4,551	4,494	+1.3	-2.2	+1.3	4,948	4,443	3,959	4,220	13,350	12,650
26	Paper and allied products	8,472	8,637	8,687	8,390	-1.9	-0.6	+3.5	8,829	8,906	8,422	7,851	26,157	24,594
261-3,6	Pulp, paper etc	3,589	3,617	3,688	3,574	-0.8	-1.9	+3.2	3,772	3,728	3,497	3,357	10,997	10,631
265	Paperboard containers	1,731	1,805	1,850	1,727	-4.1	-2.4	+7.1	1,807	1,834	1,767	1,553	5,408	5,584
264	All other paper products	3,152	3,215	3,149	3,089	-2.0	+2.1	+1.9	3,250	3,344	3,158	2,941	9,752	8,379
28	Chemicals and allied products	17,149	18,185	18,403	17,994	-5.7	-1.2	+2.3	18,642	18,403	17,496	17,498	54,541	54,141
281,6	Industrial chemicals, except pigments	5,745	5,915	5,961	6,205	-2.9	-0.8	-3.9	6,228	6,146	5,627	6,056	18,001	17,982
283,4	Drugs, soaps, and toiletries	4,796	5,233	5,315	4,874	-8.4	-1.5	+9.0	5,093	5,160	5,065	4,996	15,318	13,904
29	Petroleum and coal products	12,754	13,955	15,729	16,728	-8.6	-11.3	-6.0	12,277	13,721	15,578	16,960	41,576	45,907
30	Rubber and plastics products	3,870	4,005	4,049	4,020	-3.4	-1.1	+0.7	3,875	3,976	3,731	3,574	11,582	12,156
23,27, 31	All other nondurable goods	14,960	14,762	14,761	14,832	+1.3	0.0	-0.5	14,805	14,856	13,437	13,760	43,098	41,815
	Market categories:													
	Home goods and apparel	13,613	13,551	13,464	13,315	+0.5	+0.6	+1.1	14,159	13,748	11,524	11,211	39,431	37,912
	Consumer staples	35,804	35,870	36,173	35,666	-0.2	-0.8	+1.4	36,730	35,554	33,199	35,873	105,483	102,161
	Equipment and defense products, except automotive	30,898	30,091	29,114	31,906	+2.7	+3.4	-8.8	33,055	29,800	25,435	35,168	88,290	86,615
	Automotive equipment	17,818	20,287	21,459	19,291	-12.2	-5.5	+11.2	19,759	20,676	19,938	15,720	60,373	58,749
	Construction materials, supplies and intermediate products	17,967	17,679	18,170	16,640	+1.6	-2.7	+9.2	18,204	16,692	15,155	15,337	50,051	46,164
	Other materials, supplies, and intermediate products	75,776	79,094	80,580	82,266	-4.2	-1.8	-2.0	79,502	80,483	77,130	78,904	237,115	240,662
	Supplementary series:[2]													
	Capital goods industries	34,803	34,443	32,628	36,573	+1.0	+5.6	-10.8	37,252	34,361	28,705	39,896	100,318	97,602
	Nondefense	27,729	26,862	25,595	28,630	+3.2	+5.0	-10.6	29,793	26,838	22,488	31,329	79,119	78,222
	Defense	7,074	7,581	7,033	7,943	-6.7	+7.8	-11.5	7,459	7,523	6,217	8,567	21,199	19,380
	Household durable goods industries	6,850	6,720	6,720	6,519	+1.9	0.0	+3.1	7,261	6,699	5,699	5,845	19,659	18,660

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.	Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	1986p	1985
	All manufacturing industries	194,165	198,833	201,399	201,213	-2.3	-1.3	+0.1	207,070	201,637	188,728	198,395	597,435	583,097
	Manufacturing industries with unfilled orders	108,987	109,997	109,352	111,312	-0.9	+0.6	-1.8	118,295	112,741	103,209	113,536	334,245	319,439
	Durable goods industries	105,588	107,819	108,459	107,531	-2.1	-0.6	+0.9	115,947	110,437	101,273	107,294	327,657	313,364
	With unfilled orders	87,094	87,934	87,403	89,219	-1.0	+0.6	-2.0	95,773	90,549	82,346	91,997	268,668	257,273
32	Stone, clay, and glass products	4,802	4,946	5,214	4,962	-2.9	-5.1	+5.1	4,879	4,703	4,486	4,314	14,068	13,337
33	Primary metals	9,689	10,614	10,596	10,059	-8.7	+0.2	+5.3	10,937	11,693	11,243	9,293	33,873	33,714
331	Blast furnaces, steel mills	4,014	4,516	4,228	4,085	-11.1	+6.8	+3.5	4,680	5,129	4,622	3,928	14,431	14,763
333-9	Nonferrous and other primary metals	4,482	4,825	4,994	4,876	-7.1	-3.4	+2.4	4,968	5,248	5,209	4,447	15,425	15,118
34	Fabricated metal products	13,260	14,274	14,326	14,146	-7.1	-0.4	+1.3	14,299	14,339	12,720	13,164	41,358	39,512
35	Machinery, except electrical	17,112	18,551	15,868	16,195	-7.8	+16.9	-2.0	18,573	18,764	14,549	17,508	51,886	54,866
351	Engines and turbines	1,069	1,383	1,314	1,673	-22.7	+5.3	-21.5	1,276	1,497	1,051	1,474	3,824	3,349
353	Construction, mining, and material handling equipment	3,263	3,051	3,168	2,945	+6.9	-3.7	+7.6	3,284	3,180	2,933	2,939	9,397	8,126
354	Metalworking machinery	904	799	848	633	+13.1	-5.8	+34.0	962	836	749	580	2,547	2,884
356	General industrial machinery	1,433	1,430	1,419	1,348	+0.2	+0.8	+5.3	1,484	1,508	1,389	1,366	4,381	4,154
357	Office and computing machines	4,009	5,014	2,262	2,938	-20.0	+121.7	-23.0	4,426	4,535	1,764	4,976	10,725	15,487
36	Electrical machinery	17,043	15,704	15,346	16,297	+8.5	+2.3	-5.8	18,436	16,672	14,824	16,680	49,932	50,041
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,165	1,941	2,162	2,013	+11.5	-10.2	+7.4	2,385	2,103	2,013	2,042	6,501	6,201
363	Household appliances	1,336	1,291	1,465	1,451	+3.5	-11.9	+1.0	1,424	1,279	1,332	1,276	4,035	4,136
365	Radio and TV	1,174	921	975	868	+27.5	-5.5	+12.3	1,060	992	847	906	2,899	2,752
366	Communication equipment	6,229	5,745	5,528	5,218	+8.4	+3.9	+5.9	7,152	6,117	5,527	6,092	18,796	20,030
367	Electronic components	3,517	3,071	2,732	3,927	+14.5	+12.4	-30.4	3,735	3,391	2,738	3,614	9,864	9,795
37	Transportation equipment	28,488	28,458	31,002	31,031	+0.1	-8.2	-0.1	32,509	29,122	29,332	32,537	90,963	78,048
372,6	Aircraft, missiles, and parts	8,246	8,720	10,928	12,961	-5.4	-20.2	-15.7	10,512	8,709	10,249	17,398	29,470	20,837
3731,95	Shipbuilding and military tank vehicles	3,062	239	-146	275	+1181.2	(n)	-153.1	2,983	459	-24	435	3,418	1,511
38	Instruments and related products	4,353	4,606	4,930	5,010	-5.5	-6.6	-1.6	4,677	4,500	4,549	5,146	13,726	13,829
24,25, 39	All other durable goods	10,841	10,666	11,177	9,831	+1.6	-4.6	+13.7	11,637	10,644	9,570	8,652	31,851	30,017
	Nondurable goods industries	88,577	91,014	92,940	93,682	-2.7	-2.1	-0.8	91,123	91,200	87,455	91,101	269,778	269,733
	With unfilled orders	21,893	22,063	21,949	22,093	-0.8	+0.5	-0.7	22,522	22,192	20,863	21,539	65,577	62,166
	Market categories:													
	Home goods and apparel	13,618	13,549	13,943	13,151	+0.5	-2.8	+6.0	14,397	13,924	12,029	10,980	40,350	38,769
	Consumer staples	35,897	35,916	36,132	35,676	-0.1	-0.6	+1.3	36,790	35,566	33,252	35,883	105,608	102,201
	Equipment and defense products, except automotive	33,351	30,242	30,117	33,690	+10.3	+0.4	-10.6	37,038	30,854	28,685	39,793	96,577	93,617
	Automotive equipment	18,120	20,512	21,482	18,939	-11.7	-4.5	+13.4	19,928	20,848	20,124	15,619	60,900	58,849
	Construction materials, supplies and intermediate products	17,461	17,869	18,220	16,838	-2.3	-1.9	+8.2	18,054	17,122	15,244	15,335	50,420	46,767
	Other materials, supplies, and intermediate products	75,718	80,745	81,505	82,919	-6.2	-0.9	-1.7	80,863	83,323	79,394	80,785	243,580	242,894
	Supplementary series:[2]													
	Capital goods industries	37,855	36,111	34,903	37,718	+4.8	+3.5	-7.5	42,522	36,983	32,834	44,942	112,339	105,347
	Nondefense	27,409	28,911	24,553	30,566	-5.2	+17.7	-19.7	30,096	28,598	23,016	32,606	81,710	81,059
	Defense	10,446	7,200	10,350	7,152	+45.1	-30.4	+44.7	12,426	8,385	9,818	12,336	30,629	24,288
	Household durable goods industries	6,835	6,639	7,139	6,328	+3.0	-7.0	+12.8	7,458	6,836	6,155	5,590	20,449	19,475

p Preliminary. r Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for shipbuilding and military tank vehicles in February was 266.0 percent.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.	Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	Mar. 1985
	All manufacturing industries..	370,798	368,509	366,248	363,809	+0.6	+0.6	+0.7	378,052	372,391	367,707	361,360	363,772
	Durable goods industries.....	359,962	357,597	355,621	353,036	+0.7	+0.6	+0.7	367,143	361,492	357,068	350,891	353,645
32	Stone, clay, and glass products...	2,880	2,825	2,780	2,775	+1.9	+1.6	+0.2	2,927	2,850	2,710	2,633	2,603
33	Primary metals.....	20,533	20,679	20,224	19,747	-0.7	+2.2	+2.4	21,987	21,742	20,558	19,130	20,350
331	Blast furnaces, steel mills.....	9,622	9,516	9,173	9,191	+1.1	+3.7	-0.2	10,536	10,135	9,375	8,906	9,822
333-9	Nonferrous and other primary metals.....	7,211	7,511	7,422	7,064	-4.0	+1.2	+5.1	7,636	7,842	7,467	6,746	7,374
34	Fabricated metal products.....	19,588	20,248	20,274	20,414	-3.3	-0.1	-0.7	19,860	20,123	19,900	19,957	21,597
35	Machinery, except electrical.....	58,940	59,582	58,268	59,407	-1.1	+2.3	-1.9	59,301	59,949	58,554	59,053	64,016
351	Engines and turbines.....	15,002	15,329	15,123	14,912	-2.1	+1.4	+1.4	14,963	15,283	15,016	15,027	14,685
353	Construction, mining, and material handling equipment....	5,965	6,120	6,275	6,400	-2.5	-2.5	-2.0	6,066	6,200	6,306	6,317	6,084
354	Metalworking machinery.....	3,855	3,860	3,927	3,901	-0.1	-1.7	+0.7	3,793	3,829	3,888	3,878	3,987
356	General industrial machinery....	4,192	4,226	4,238	4,325	-0.8	-0.3	-2.0	4,230	4,272	4,242	4,243	4,660
357	Office and computing machines...	19,106	19,200	17,861	19,042	-0.5	+7.5	-6.2	19,068	19,200	18,075	18,890	22,925
36	Electrical machinery.....	83,558	82,729	82,844	82,339	+1.0	-0.1	+0.6	84,818	83,436	82,651	81,441	82,757
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,753	5,837	5,962	5,806	-1.4	-2.1	+2.7	5,816	5,872	5,887	5,741	6,369
363	Household appliances.....	329	352	401	412	-6.5	-12.2	-2.7	341	341	405	357	365
365	Radio and TV.....	476	365	458	500	+30.4	-20.3	-8.4	391	406	387	438	474
366	Communication equipment.....	59,562	58,836	58,518	57,718	+1.2	+0.5	+1.4	60,769	59,520	58,768	57,533	55,683
367	Electronic components.....	15,989	15,904	16,096	16,464	+0.5	-1.2	-2.2	16,053	15,856	15,806	15,970	18,451
37	Transportation equipment.....	160,549	157,100	156,604	154,122	+2.2	+0.3	+1.6	164,353	159,387	158,646	155,175	147,923
372,6	Aircraft, missiles, and parts...	135,638	134,871	134,093	130,785	+0.6	+0.6	+2.5	138,798	136,301	135,435	131,532	120,805
3731,95	Shipbuilding and military tank vehicles.....	18,502	16,130	16,606	17,424	+14.7	-2.9	-4.7	18,973	16,710	16,968	17,588	19,860
38	Instruments and related products..	8,464	8,731	8,821	8,733	-3.1	-1.0	+1.0	8,528	8,714	8,770	8,604	8,452
24,25, 39	All other durable goods.....	5,450	5,703	5,806	5,499	-4.4	-1.8	+5.6	5,369	5,291	5,279	4,898	5,947
	Nondurable goods industries.....	10,836	10,912	10,627	10,773	-0.7	+2.7	-1.4	10,909	10,899	10,639	10,469	10,127
	Market categories:												
	Home goods and apparel.....	4,684	4,679	4,681	4,202	+0.1	0.0	+11.4	4,537	4,299	4,123	3,618	4,684
	Consumer staples.....	849	756	710	751	+12.3	+6.5	-5.5	858	798	786	733	673
	Equipment and defense products, except automotive.....	231,871	229,418	229,267	228,264	+1.1	+0.1	+0.4	236,547	232,564	231,510	228,260	226,903
	Automotive equipment.....	5,927	5,625	5,400	5,377	+5.4	+4.2	+0.4	6,081	5,912	5,740	5,554	6,589
	Construction materials, supplies and intermediate products.....	12,152	12,658	12,468	12,418	-4.0	+1.5	+0.4	12,345	12,495	12,065	11,976	12,798
	Other materials, supplies, and intermediate products.....	115,315	115,373	113,722	112,797	-0.1	+1.5	+0.8	117,684	116,323	113,483	111,219	112,125
	Supplementary series:[2]												
	Capital goods industries.....	282,315	279,263	277,595	275,320	+1.1	+0.6	+0.8	287,561	282,291	279,669	275,540	271,602
	Nondefense.....	134,510	134,830	132,781	133,823	-0.2	+1.5	-0.8	135,293	134,990	133,230	132,702	135,666
	Defense.....	147,805	144,433	144,814	141,497	+2.3	-0.3	+2.3	152,268	147,301	146,439	142,838	135,936
	Household durable goods industries.....	4,072	4,087	4,168	3,749	-0.4	-1.9	+11.2	3,970	3,773	3,636	3,180	4,246

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.	Mar. 1986p	Feb. 1986r	Jan. 1986	Dec. 1985	Mar. 1985
	All manufacturing industries..	279,372	279,236	280,357	281,884	0.0	-0.4	-0.5	280,160	280,374	279,029	277,885	286,913
	Manufacturing industries with unfilled orders.....	195,958	195,294	196,097	196,894	+0.3	-0.4	-0.4	196,335	195,408	194,082	193,407	200,766
	Durable goods industries.....	188,221	187,644	188,518	189,164	+0.3	-0.5	-0.3	189,024	188,382	186,961	186,014	193,157
	With unfilled orders.....	172,439	171,908	172,894	173,361	+0.3	-0.6	-0.3	172,803	172,097	171,220	170,489	176,574
32	Stone, clay, and glass products...	5,610	5,546	5,618	5,666	+1.2	-1.3	-0.8	5,741	5,687	5,559	5,574	6,099
322	Glass containers.....	665	646	654	649	+2.9	-1.2	+0.8	669	653	636	630	651
33	Primary metals.....	17,244	17,281	17,316	17,837	-0.2	-0.2	-2.9	17,196	17,342	17,379	17,591	19,489
331	Blast furnaces, steel mills.....	7,572	7,615	7,504	7,830	-0.6	+1.5	-4.2	7,352	7,524	7,602	7,861	8,621
333-9	Nonferrous and other primary metals.....	8,350	8,338	8,539	8,735	+0.1	-2.4	-2.2	8,484	8,471	8,522	8,490	9,493
34	Fabricated metal products.....	18,865	18,885	19,148	19,385	-0.1	-1.4	-1.2	19,118	19,040	18,994	18,915	19,484
341	Metal cans, barrels, and drums..	2,233	2,116	2,261	2,252	+5.5	-6.4	+0.4	2,430	2,249	2,277	2,043	2,693
35	Machinery, except electrical.....	39,037	39,285	39,441	39,448	-0.6	-0.4	0.0	38,979	39,329	39,132	38,890	41,444
351	Engines and turbines.....	1,968	1,877	1,844	1,808	+4.8	+1.8	+2.0	1,957	1,903	1,853	1,807	2,137
352	Farm machinery and equipment....	1,869	1,882	1,841	1,928	-0.7	+2.2	-4.5	1,910	1,953	1,845	1,870	1,928
353	Construction, mining, and material handling equipment....	6,088	6,235	6,272	6,384	-2.4	-0.6	-1.8	6,125	6,235	6,222	6,282	6,825
354	Metalworking machinery.....	2,904	2,936	2,817	2,752	-1.1	+4.2	+2.4	2,872	2,921	2,792	2,708	2,629
356	General industrial machinery....	3,368	3,366	3,483	3,334	+0.1	-3.4	+4.5	3,375	3,386	3,500	3,311	3,566
357	Office and computing machines...	11,944	12,034	12,092	12,123	-0.7	-0.5	-0.3	11,753	11,902	11,850	11,953	12,711
36	Electrical machinery.....	33,460	33,452	33,617	33,496	0.0	-0.5	+0.4	33,510	33,285	33,088	32,876	33,678
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,236	4,204	4,289	4,222	+0.8	-2.0	+1.6	4,198	4,173	4,208	4,162	4,480
363	Household appliances.....	2,327	2,279	2,255	2,294	+2.1	+1.1	-1.7	2,408	2,302	2,223	2,172	2,686
365	Radio and TV.....	1,398	1,365	1,330	1,318	+2.4	+2.6	+0.9	1,342	1,312	1,262	1,278	1,322
366	Communication equipment.....	14,598	14,680	14,718	14,778	-0.6	-0.3	-0.4	14,697	14,647	14,577	14,558	13,871
367	Electronic components.....	5,932	5,945	6,037	5,913	-0.2	-1.5	+2.1	5,926	5,927	5,940	5,919	6,555
37	Transportation equipment.....	49,910	48,931	49,232	49,068	+2.0	-0.6	+0.3	50,310	49,373	48,850	48,396	48,082
371	Motor vehicles and parts.....	11,268	11,355	11,301	11,477	-0.8	+0.5	-1.5	11,376	11,581	11,463	11,365	11,221
372,6	Aircraft, missiles, and parts...	35,374	34,443	34,747	34,494	+2.7	-0.9	+0.7	35,632	34,554	34,145	33,844	33,754
3731,95	Shipbuilding and military tank vehicles.....	1,605	1,510	1,517	1,463	+6.3	-0.5	+3.7	1,608	1,525	1,507	1,448	1,345
38	Instruments and related products..	9,518	9,535	9,613	9,594	-0.2	-0.8	+0.2	9,493	9,459	9,480	9,376	9,689
381-4	Scientific and engineering instruments.....	6,728	6,718	6,799	6,850	+0.1	-1.2	-0.7	6,728	6,678	6,724	6,720	6,970
386	Photographic goods.....	2,176	2,203	2,217	2,150	-1.2	-0.6	+3.1	2,152	2,179	2,157	2,064	2,090
24,25, 39	All other durable goods.....	14,577	14,729	14,533	14,670	-1.0	+1.3	-0.9	14,677	14,867	14,479	14,396	15,192
	Nondurable goods industries.....	91,151	91,592	91,839	92,720	-0.5	-0.3	-1.0	91,136	91,992	92,068	91,871	93,756
	With unfilled orders.....	23,519	23,386	23,203	23,533	+0.6	+0.8	-1.4	23,532	23,311	22,862	22,918	24,192
20	Food and kindred products.....	20,908	20,998	20,944	21,094	-0.4	+0.3	-0.7	20,578	21,192	21,519	21,524	21,056
201	Meat products.....	2,123	2,216	2,293	2,339	-4.2	-3.4	-2.0	2,178	2,285	2,323	2,248	2,294
208	Beverages.....	3,390	3,405	3,385	3,382	-0.4	+0.6	+0.1	3,492	3,511	3,446	3,382	3,641
207	Fats and oils.....	1,048	1,052	1,104	991	-0.4	-4.7	+11.4	1,076	1,156	1,254	1,152	1,137
203-6,9	All other foods.....	12,614	12,627	12,479	12,623	-0.1	+1.2	-1.1	12,109	12,564	12,816	13,052	12,176
21	Tobacco products.....	3,267	3,316	3,266	3,270	-1.5	+1.5	-0.1	3,345	3,462	3,478	3,440	3,615
22	Textile mill products.....	6,613	6,554	6,477	6,744	+0.9	+1.2	-4.0	6,716	6,654	6,482	6,586	7,043
26	Paper and allied products.....	9,799	9,725	9,806	9,728	+0.8	-0.8	+0.8	9,845	9,707	9,682	9,600	9,988
261-3,6	Pulp, paper etc.....	3,933	3,936	3,939	3,800	-0.1	-0.1	+3.7	3,943	3,929	3,893	3,790	3,824
265	Paperboard containers.....	2,352	2,348	2,378	2,363	+0.2	-1.3	+0.6	2,352	2,315	2,340	2,344	2,680
264	All other paper products.....	3,514	3,441	3,489	3,565	+2.1	-1.4	-2.1	3,550	3,463	3,449	3,466	3,484
28	Chemicals and allied products.....	21,587	21,434	21,549	21,419	+0.7	-0.5	+0.6	21,820	21,707	21,609	21,293	21,633
281,6	Industrial chemicals, except pigments.....	6,642	6,632	6,586	6,434	+0.2	+0.7	+2.4	6,662	6,645	6,619	6,344	6,601
283,4	Drugs, soaps, and toiletries....	6,940	6,837	6,856	6,852	+1.5	-0.3	+0.1	6,933	6,823	6,753	6,715	6,750
29	Petroleum and coal products.....	6,312	6,916	7,326	7,920	-8.7	-5.6	-7.5	6,172	6,866	7,304	7,766	7,862
30	Rubber and plastics products.....	6,462	6,478	6,382	6,313	-0.2	+1.5	+1.1	6,616	6,491	6,307	6,205	6,224
23,27, 31	All other nondurable goods.....	16,203	16,171	16,089	16,232	+0.2	+0.5	-0.9	16,044	15,913	15,687	15,457	16,335
	Market categories:												
	Home goods and apparel.....	22,135	21,936	21,973	22,060	+0.9	-0.2	-0.4	22,055	21,807	21,611	21,223	22,618
	Consumer staples.....	33,800	33,885	33,640	33,823	-0.3	+0.7	-0.5	33,558	34,072	34,098	33,999	33,978
	Equipment and defense products, except automotive.....	83,466	83,634	84,141	83,871	-0.2	-0.6	+0.3	83,835	83,759	83,352	82,777	85,186
	Automotive equipment.....	13,558	13,631	13,558	13,795	-0.5	+0.5	-1.7	13,770	13,982	13,795	13,755	13,828
	Construction materials, supplies and intermediate products.....	18,922	19,007	18,953	19,256	-0.4	+0.3	-1.6	19,256	19,279	18,773	18,941	19,911
	Other materials, supplies, and intermediate products.....	107,491	107,143	108,092	109,079	+0.3	-0.9	-0.9	107,686	107,475	107,400	107,190	111,392
	Supplementary series:2												
	Capital goods industries.....	97,182	96,493	97,102	96,735	+0.7	-0.6	+0.4	97,388	96,485	95,840	95,041	96,811
	Nondefense.....	70,138	70,239	70,340	70,465	-0.1	-0.1	-0.2	70,006	70,223	69,623	69,212	73,005
	Defense.....	27,044	26,254	26,762	26,270	+3.0	-1.9	+1.9	27,382	26,262	26,217	25,829	23,806
	Household durable goods industries.....	11,084	10,979	10,935	10,974	+1.0	+0.4	-0.4	11,076	10,968	10,765	10,633	11,696

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Mar. 1986[p]	Feb. 1986[r]	Jan. 1986	Dec. 1985	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1986[p]	Feb. 1986[r]	Jan. 1986	Dec. 1985	Mar. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,831	87,405	87,817	89,030	-0.7	-0.5	-1.4	87,085	87,863	88,344	89,245	92,091
	Durable goods industries.....	51,544	51,921	52,317	53,527	-0.7	-0.8	-2.3	51,357	52,006	52,324	53,418	55,236
32	Stone, clay, and glass products...	1,727	1,746	1,754	1,754	-1.1	-0.5	0.0	1,729	1,747	1,752	1,767	1,837
33	Primary metals.....	4,795	4,950	4,977	5,109	-3.1	-0.5	-2.6	4,699	4,951	5,078	5,264	5,622
34	Fabricated metal products.....	7,118	7,192	7,266	7,401	-1.0	-1.0	-1.8	7,190	7,212	7,286	7,350	7,407
35	Machinery, except electrical.....	10,372	10,785	10,845	11,040	-3.8	-0.6	-1.8	10,320	10,800	10,843	10,972	11,814
36	Electrical Machinery.....	7,905	7,789	7,740	7,977	+1.5	+0.6	-3.0	7,833	7,748	7,721	7,902	8,797
37	Transportation equipment.....	11,511	11,313	11,561	12,059	+1.8	-2.1	-4.1	11,583	11,419	11,446	11,929	11,392
38	Instruments and related products..	2,661	2,656	2,646	2,646	+0.2	+0.4	0.0	2,655	2,625	2,643	2,628	2,753
24,25, 39	All other durable goods.....	5,455	5,490	5,528	5,541	-0.6	-0.7	-0.2	5,348	5,504	5,555	5,606	5,614
	Nondurable goods industries.....	35,287	35,484	35,500	35,503	-0.6	0.0	0.0	35,728	35,857	36,020	35,827	36,855
20	Food and kindred products.....	7,351	7,324	7,428	7,416	+0.4	-1.4	+0.2	7,547	7,583	7,780	7,656	7,775
21	Tobacco products.....	2,760	2,740	2,737	2,754	+0.7	+0.1	-0.6	2,834	2,888	2,976	2,969	3,126
22	Textile mill products.....	2,093	2,073	2,048	2,077	+1.0	+1.2	-1.4	2,144	2,091	2,057	2,050	2,201
26	Paper and allied products.....	4,915	4,882	4,819	4,681	+0.7	+1.3	+2.9	4,924	4,854	4,784	4,730	4,883
28	Chemicals and allied products.....	7,836	7,926	7,947	7,957	-1.1	-0.3	-0.1	7,923	7,963	8,007	7,935	8,185
29	Petroleum and coal products.....	1,855	2,088	2,073	2,198	-11.2	+0.7	-5.7	1,854	2,044	2,062	2,107	1,969
30	Rubber and plastics products.....	2,355	2,301	2,260	2,246	+2.3	+1.8	+0.6	2,345	2,271	2,255	2,322	2,018
23,27, 31	All other nondurable goods.....	6,122	6,150	6,188	6,174	-0.5	-0.6	+0.2	6,157	6,163	6,099	6,058	6,698
	WORK IN PROCESS												
	All manufacturing industries..	105,149	104,310	104,627	104,480	+0.8	-0.3	+0.1	105,557	104,576	103,641	102,202	104,601
	Durable goods industries.....	91,277	90,125	90,477	89,912	+1.3	-0.4	+0.6	91,737	90,458	89,679	88,084	90,133
32	Stone, clay, and glass products...	773	751	784	790	+2.9	-4.2	-0.8	811	791	776	762	835
33	Primary metals.....	7,285	7,043	7,002	7,326	+3.4	+0.6	-4.4	7,220	7,065	7,087	7,077	8,009
34	Fabricated metal products.....	6,820	6,842	6,929	7,100	-0.3	-1.3	-2.4	6,937	6,867	6,767	6,753	6,999
35	Machinery, except electrical.....	16,144	16,109	16,288	16,004	+0.2	-1.1	+1.8	16,126	16,133	16,204	15,777	16,725
36	Electrical Machinery.....	19,485	19,568	19,729	19,361	-0.4	-0.8	+1.9	19,541	19,505	19,425	19,003	18,255
37	Transportation equipment.....	33,349	32,452	32,445	31,939	+2.8	0.0	+1.6	33,656	32,724	32,188	31,467	31,520
38	Instruments and related products..	4,060	3,949	4,045	4,090	+2.8	-2.4	-1.1	4,075	3,944	3,974	3,989	4,171
24,25, 39	All other durable goods.....	3,361	3,411	3,255	3,302	-1.5	+4.8	-1.4	3,371	3,429	3,258	3,256	3,619
	Nondurable goods industries.....	13,872	14,185	14,150	14,568	-2.2	+0.2	-2.9	13,820	14,118	13,962	14,118	14,468
20	Food and kindred products.....	1,638	1,632	1,638	1,568	+0.4	-0.4	+4.5	1,664	1,683	1,689	1,619	1,714
21	Tobacco products.....	223	261	219	265	-14.6	+19.2	-17.4	208	258	196	246	174
22	Textile mill products.....	1,910	1,896	1,827	1,996	+0.7	+3.8	-8.5	1,928	1,933	1,846	1,978	1,991
26	Paper and allied products.....	1,128	1,117	1,144	1,183	+1.0	-2.4	-3.3	1,116	1,104	1,118	1,130	1,165
28	Chemicals and allied products.....	3,383	3,369	3,538	3,536	+0.4	-4.8	+0.1	3,393	3,375	3,473	3,431	3,517
29	Petroleum and coal products.....	908	1,140	1,085	1,413	-20.4	+5.1	-23.2	903	1,092	1,043	1,338	1,284
30	Rubber and plastics products.....	1,229	1,263	1,236	1,173	-2.7	+2.2	+5.4	1,219	1,235	1,226	1,148	1,174
23,27, 31	All other nondurable goods.....	3,453	3,507	3,463	3,434	-1.5	+1.3	+0.8	3,389	3,438	3,371	3,228	3,449
	FINISHED GOODS												
	All manufacturing industries..	87,392	87,521	87,913	88,374	-0.1	-0.4	-0.5	87,518	87,935	87,044	86,438	90,221
	Durable goods industries.....	45,400	45,598	45,724	45,725	-0.4	-0.3	0.0	45,930	45,918	44,958	44,512	47,788
32	Stone, clay, and glass products...	3,110	3,049	3,080	3,122	+2.0	-1.0	-1.3	3,201	3,149	3,031	3,045	3,427
33	Primary metals.....	5,164	5,288	5,337	5,402	-2.3	-0.9	-1.2	5,277	5,326	5,214	5,250	5,858
34	Fabricated metal products.....	4,927	4,851	4,953	4,884	+1.6	-2.1	+1.4	4,991	4,961	4,941	4,812	5,078
35	Machinery, except electrical.....	12,521	12,391	12,308	12,404	+1.0	+0.7	-0.8	12,533	12,396	12,085	12,141	12,905
36	Electrical Machinery.....	6,070	6,095	6,148	6,158	-0.4	-0.9	-0.2	6,136	6,032	5,942	5,971	6,626
37	Transportation equipment.....	5,050	5,166	5,226	5,070	-2.2	-1.1	+3.1	5,071	5,230	5,216	5,000	5,170
38	Instruments and related products..	2,797	2,930	2,922	2,858	-4.5	+0.3	+2.2	2,763	2,890	2,863	2,759	2,765
24,25, 39	All other durable goods.....	5,761	5,828	5,750	5,827	-1.1	+1.4	-1.3	5,958	5,934	5,666	5,534	5,959
	Nondurable goods industries.....	41,992	41,923	42,189	42,649	+0.2	-0.6	-1.1	41,588	42,017	42,086	41,926	42,433
20	Food and kindred products.....	11,919	12,042	11,878	12,110	-1.0	+1.4	-1.9	11,367	11,926	12,050	12,249	11,567
21	Tobacco products.....	284	315	310	251	-9.8	+1.6	+23.5	303	316	306	225	315
22	Textile mill products.....	2,610	2,585	2,602	2,671	+1.0	-0.7	-2.6	2,644	2,630	2,579	2,558	2,851
26	Paper and allied products.....	3,756	3,726	3,843	3,864	+0.8	-3.0	-0.5	3,805	3,749	3,780	3,740	3,940
28	Chemicals and allied products.....	10,368	10,139	10,064	9,926	+2.3	+0.7	+1.4	10,504	10,369	10,129	9,927	9,931
29	Petroleum and coal products.....	3,549	3,688	4,168	4,309	-3.8	-11.5	-3.3	3,415	3,730	4,199	4,321	4,609
30	Rubber and plastics products.....	2,878	2,914	2,886	2,894	-1.2	+1.0	-0.3	3,052	2,985	2,826	2,735	3,032
23,27, 31	All other nondurable goods.....	6,628	6,514	6,438	6,624	+1.8	+1.2	-2.8	6,498	6,312	6,217	6,171	6,188

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Mar. 1986P	Feb. 1986r	Jan. 1986	Dec. 1985	Mar. 1986P	Feb. 1986r	Jan. 1986	Dec. 1985
	All manufacturing industries	1.46	1.42	1.41	1.42	3.48	3.42	3.43	3.33
	Durable goods industries	1.82	1.77	1.78	1.79	4.25	4.16	4.19	4.04
32	Stone, clay, and glass products	1.18	1.13	1.08	1.19	0.66	0.63	0.58	0.63
33	Primary metals	1.75	1.70	1.71	1.74	2.09	2.04	2.00	1.92
34	Fabricated metal products	1.36	1.32	1.32	1.36	1.50	1.51	1.50	1.54
35	Machinery, except electrical	2.20	2.28	2.32	2.24	3.49	3.61	3.62	3.54
36	Electrical machinery	2.06	2.11	2.27	2.05	5.15	5.23	5.58	5.04
37	Transportation equipment	1.99	1.75	1.73	1.76	11.56	10.38	10.52	9.58
38	Instruments and related products	2.06	2.03	1.99	1.95	1.83	1.86	1.82	1.78
	Nondurable goods industries	1.03	1.01	0.99	0.99	0.49	0.50	0.48	0.50
20	Food and kindred products	0.85	0.84	0.81	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	1.48	1.84	3.00	1.54	(X)	(X)	(X)	(X)
22	Textile mill products	1.47	1.47	1.42	1.50	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.16	1.13	1.13	1.16	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.26	1.18	1.17	1.19	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.49	0.50	0.47	0.47	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.67	1.62	1.58	1.57	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Mar. 1985	All Mars. 1981-1985	Mar. 1985-Feb. 1986	Year ago Mar. 1985	All Mars. 1981-1985	Mar. 1985-Feb. 1986	Year ago Mar. 1985	All Mars. 1981-1985	Mar. 1985-Feb. 1986	Year ago Mar. 1985	All Mars. 1981-1985	Mar. 1985-Feb. 1986
	All manufacturing industries.	0.0	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1
	Durable goods industries	0.1	0.2	0.2	0.1	0.4	0.3	0.0	0.1	0.1	0.2	0.1	0.1
32	Stone, clay, and glass products	0.9	0.6	1.0	1.4	0.6	1.1	1.0	1.4	0.9	0.1	0.5	0.2
33	Primary metals	0.4	1.0	1.0	1.0	2.3	1.2	0.3	0.9	0.5	0.2	0.3	0.2
34	Fabricated metal products	0.1	0.9	0.5	0.3	1.4	1.0	0.1	0.4	0.4	0.3	0.2	0.6
35	Machinery, except electrical	0.5	0.4	0.5	0.1	0.6	0.7	0.2	0.2	0.2	0.4	0.2	0.2
36	Electrical machinery	0.5	0.5	0.9	0.2	1.0	1.5	0.4	0.2	0.2	0.0	0.1	0.2
37	Transportation equipment	0.2	1.1	0.4	0.5	2.2	0.9	0.0	0.3	0.1	0.5	0.4	0.2
38	Instruments and related products.	1.0	1.1	1.0	2.1	1.6	1.4	0.6	0.6	0.5	0.2	0.4	0.4
	Nondurable goods industries	0.1	0.3	0.3	0.1	0.2	0.3	0.0	0.4	0.5	0.2	0.4	0.2
20	Food and kindred products	0.3	0.5	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.5	0.3
21	Tobacco products	0.0	1.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.5	0.1
22	Textile mill products	0.1	1.0	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.6	0.9
26	Paper and allied products	0.2	0.4	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.2
28	Chemicals and allied product	1.4	1.0	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.4
29	Petroleum and coal products	0.5	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.8	0.7
30	Rubber and plastics products	1.9	1.7	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.7
	Capital Goods industries:												
	Nondefense	1.0	0.9	0.6	0.4	2.2	0.6	0.1	0.2	0.1	0.2	0.1	0.2
	Defense	1.5	1.5	1.0	10.3	3.3	3.0	0.1	0.3	0.1	0.7	0.4	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158
M3-1(86)-4
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

APRIL 1986
M3-1(86)-4

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00a.m. E.D.T. Monday, June 2, 1986

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in April showed little change from March, up $0.2 billion or 0.1 percent to $193.2 billion. New orders reached a high in December of $201.2 billion, were flat in January, and declined 1.3 percent and 2.8 percent in February and March respectively.

Shipments of manufactured goods increased $3.9 billion or 2.0 percent to $194.9 billion, following 4 months of declines. Shipments exceeded new orders in April resulting in a decline in unfilled orders of $1.7 billion or 0.5 percent to $368.7 billion, the first since a 0.9 percent decline in November 1985.

The book value of manufacturers' inventories showed a slight decline in April of $0.4 billion or 0.1 percent to $279.2 billion. Inventories have declined 11 of the last 13 months since reaching a high of $286.2 billion in March 1985. The inventory to shipments ratio in April was 1.43, down from 1.46 in March.

NEW ORDERS. New orders for the durable goods sector in total were down $0.2 billion or 0.2 percent to $104.5 billion, with large offsetting movements in the major industries. The largest increases were in fabricated metals, up $1.2 billion or 9.3 percent to $14.4 billion, and nonelectrical machinery, up $0.6 billion or 3.9 percent to $16.7 billion. No particular industry dominated either increase. The largest declines were in electrical machinery, down $1.9 billion or 11.0 percent to $15.2 billion. About two-thirds of the decline in electrical machinery was in communication equipment; within transportation equipment, a $2.0 billion decline in shipbuilding was partially offset by a $1.6 billion increase in motor vehicles and parts.

New orders for nondurable goods increased $0.4 billion or 0.4 percent to $88.7 billion. A large increase in the chemical industry of $1.1 billion to $18.2 billion was partially offset by declines in several industries. For most of the nondurable goods industries new orders are equal to shipments for the month.

SHIPMENTS. Shipments in the durable goods sector were up in April $3.4 billion or 3.3 percent to $106.1 billion. The largest increase was in transportation equipment, where motor vehicles and parts increased $2.0 billion or 12.2 percent to $18.1 billion, offsetting a 12.7 percent decline in March. Most of the other industries showed increases except electrical machinery, which declined $0.8 billion or 5.0 percent to $15.4 billion.

Shipments of nondurable goods increased $0.5 billion or 0.5 percent to $88.8 billion, with the specific industries showing a mixed pattern of increases and decreases. The largest increase was in chemicals, up $1.1 billion or 6.6 percent to $18.2 billion. The largest declines were in tobacco and petroleum products, each down $0.6 billion; petroleum products shipments have declined in value from a recent high in November 1985 of $17.0 billion to $12.2 billion in April.

UNFILLED ORDERS. The decline in unfilled orders of $1.7 billion was concentrated in the durable goods sector. Unfilled orders for nonelectrical machinery declined $1.1 billion or 2.0 percent to $57.2 billion. Over 80 percent of the decline was in office and computing equipment, continuing its downward trend. Most of the other major industries were also down, except transportation equipment which was up slightly, $0.4 billion or 0.2 percent to $160.9 billion.

INVENTORIES. Inventories of durable goods manufacturers in April were down $0.5 billion or 0.3 percent to $187.8 billion. The largest declines were in nonelectrial machinery and primary metals; the largest increases were in transportation equipment and electrical machinery. Inventories of nondurable goods were up $0.2 billion or 0.2 percent to $91.4 billion; an increase in food products of $0.4 billion or 1.9 percent was partially offset by declines in petroleum and rubber and plastics products.

By stage of fabrication, materials and supplies were up 0.5 percent, work in process down 0.6 percent, and finished goods down 0.2 percent. The materials and supplies increase was mostly in the food products industry.

SCHEDULED RELEASE DATES. The advance report on durable goods for May is scheduled for release on June 24, 1986 at 8:30 a.m. and the full report on July 2, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1986p	Mar. 1986r	Feb. 1986r	Jan. 1986r	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.r	Apr. 1986p	Mar. 1986r	Feb. 1986r	Jan. 1986r	1986p	1985
	All manufacturing industries	194,916	191,051	196,274	198,716	+2.0	-2.7	-1.2	196,170	200,540	196,648	182,163	775,521	766,874
	Manufacturing industries with unfilled orders	107,907	105,851	107,438	106,669	+1.9	-1.5	+0.7	108,285	111,740	107,752	96,644	424,421	413,257
	Durable goods industries	106,073	102,693	105,545	105,631	+3.3	-2.7	-0.1	108,126	109,751	105,708	94,879	418,464	406,668
	With unfilled orders	85,836	84,147	85,660	84,575	+2.0	-1.8	+1.3	86,293	89,521	85,820	75,952	337,586	330,792
32	Stone, clay, and glass products	4,967	4,784	4,901	5,209	+3.8	-2.4	-5.9	5,028	4,841	4,563	4,409	18,841	18,125
322	Glass containers	408	401	442	423	+1.7	-9.3	+4.5	415	432	412	383	1,642	1,563
33	Primary metals	10,107	9,833	10,159	10,119	+2.8	-3.2	+0.4	10,605	10,691	10,509	9,815	41,620	42,974
331	Blast furnaces, steel mills	4,090	3,926	4,173	4,246	+4.2	-5.9	-1.7	4,307	4,299	4,369	4,153	17,128	17,990
333-9	Nonferrous and other primary metals	4,752	4,762	4,736	4,636	-0.2	+0.5	+2.2	4,952	5,153	4,873	4,488	19,466	20,014
34	Fabricated metal products	14,384	13,733	14,300	14,466	+4.7	-4.0	-1.1	14,585	14,362	14,116	12,777	55,840	52,848
341	Metal cans, barrels, and drums	967	846	870	926	+14.3	-2.8	-6.0	949	840	846	785	3,420	3,528
35	Machinery, except electrical	17,847	17,377	16,939	16,764	+2.7	+2.6	+1.0	17,576	18,846	17,064	14,831	68,317	69,592
351	Engines and turbines	1,226	1,398	1,177	1,103	-12.3	+18.8	+6.7	1,273	1,598	1,230	1,062	5,163	5,050
352	Farm machinery and equipment	902	835	755	929	+8.0	+10.6	-18.7	1,009	980	781	832	3,602	3,535
353	Construction, mining, and material handling equipment	3,144	3,066	2,908	3,050	+2.5	+5.4	-4.7	3,087	3,066	2,981	2,727	11,861	10,877
354	Metalworking machinery	815	903	866	822	-9.7	+4.3	+5.4	802	992	895	739	3,428	3,318
356	General industrial machinery	1,671	1,414	1,442	1,506	+18.2	-1.9	-4.2	1,606	1,471	1,478	1,390	5,945	5,618
357	Office and computing machines	4,021	4,099	3,675	3,443	-1.9	+11.5	+6.7	3,522	4,554	3,410	2,579	14,065	17,008
36	Electrical machinery	15,371	16,187	15,819	14,841	-5.0	+2.3	+6.6	15,385	17,024	15,887	13,614	61,910	59,809
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,005	2,230	2,066	2,006	-10.1	+7.9	+3.0	2,016	2,420	2,118	1,867	8,421	7,993
363	Household appliances	1,348	1,385	1,340	1,476	-2.7	+3.4	-9.2	1,359	1,452	1,343	1,284	5,438	5,485
365	Radio and TV	1,014	1,043	1,014	1,017	-2.8	+2.9	-0.3	898	1,054	973	898	3,823	3,546
366	Communication equipment	5,043	5,477	5,427	4,728	-7.9	+0.9	+14.8	5,154	5,875	5,365	4,292	20,686	19,770
367	Electronic components	3,284	3,432	3,263	3,100	-4.3	+5.2	+5.3	3,412	3,538	3,341	2,902	13,193	13,558
37	Transportation equipment	27,540	25,030	27,962	28,520	+10.0	-10.5	-2.0	28,972	27,533	28,381	25,861	110,747	105,317
371	Motor vehicles and parts	18,078	16,112	18,461	19,448	+12.2	-12.7	-5.1	19,476	17,879	18,891	18,180	74,426	70,783
372,6	Aircraft, missiles, and parts	7,917	7,462	7,942	7,620	+6.1	-6.0	+4.2	7,831	7,995	7,843	6,346	30,015	27,677
3731,95	Shipbuilding and military tank vehicles	701	690	715	671	+1.6	-3.5	+6.6	672	720	717	595	2,704	3,313
38	Instruments and related products	4,697	4,591	4,696	4,842	+2.3	-2.2	-3.0	4,527	4,832	4,556	4,383	18,298	18,219
381-4	Scientific and engineering instruments	3,144	2,960	3,047	3,145	+6.2	-2.9	-3.1	3,040	3,182	3,007	2,978	12,207	12,087
386	Photographic goods	1,380	1,467	1,463	1,496	-5.9	+0.3	-2.2	1,308	1,468	1,365	1,243	5,384	5,394
24,25, 39	All other durable goods	11,160	11,158	10,769	10,870	0.0	+3.6	-0.9	11,448	11,622	10,632	9,189	42,891	39,784
	Nondurable goods industries	88,843	88,358	90,729	93,085	+0.5	-2.6	-2.5	88,044	90,789	90,940	87,284	357,057	360,206
	With unfilled orders	22,071	21,704	21,778	22,094	+1.7	-0.3	-1.4	21,992	22,219	21,932	20,692	86,835	82,465
20	Food and kindred products	24,958	24,764	24,933	25,817	+0.8	-0.7	-3.4	24,326	25,646	25,008	23,672	98,652	97,705
201	Meat products	5,637	5,435	5,459	5,524	+3.7	-0.4	-1.2	5,434	5,359	5,350	5,309	21,452	22,279
208	Beverages	3,989	3,925	3,846	4,135	+1.6	+2.1	-7.0	4,172	3,898	3,592	3,449	15,111	14,187
207	Fats and oils	1,044	1,044	1,126	1,057	0.0	-7.3	+6.5	1,000	1,069	1,123	1,084	4,276	4,545
203-6,9	All other foods	11,180	11,122	11,317	11,841	+0.5	-1.7	-4.4	10,621	12,056	11,758	10,775	45,210	43,903
21	Tobacco products	1,570	2,155	1,800	1,089	-27.1	+19.7	+65.3	1,542	2,069	1,627	990	6,228	5,972
22	Textile mill products	4,512	4,299	4,452	4,551	+5.0	-3.4	-2.2	4,479	4,708	4,443	3,959	17,589	16,916
26	Paper and allied products	8,785	8,462	8,637	8,687	+3.8	-2.0	-0.6	8,857	8,819	8,906	8,422	35,004	32,693
261-3,6	Pulp, paper etc.	3,747	3,587	3,617	3,688	+4.5	-0.8	-1.9	3,823	3,770	3,728	3,497	14,818	14,236
265	Paperboard containers	1,850	1,730	1,805	1,850	+6.9	-4.2	-2.4	1,856	1,806	1,834	1,767	7,263	7,473
264	All other paper products	3,188	3,145	3,215	3,149	+1.4	-2.2	+2.1	3,178	3,243	3,344	3,158	12,923	10,984
28	Chemicals and allied products	18,193	17,068	18,185	18,403	+6.6	-6.1	-1.2	18,774	18,565	18,403	17,496	73,238	72,843
281,6	Industrial chemicals, except pigments	5,845	5,708	5,915	5,961	+2.4	-3.5	-0.8	6,079	6,187	6,146	5,627	24,039	24,021
283,4	Drugs, soaps, and toiletries	5,200	4,767	5,233	5,315	+9.1	-8.9	-1.5	4,810	5,063	5,160	5,065	20,098	17,986
29	Petroleum and coal products	12,229	12,798	13,955	15,729	-4.4	-8.3	-11.3	11,918	12,320	13,721	15,578	53,537	62,304
30	Rubber and plastics products	3,927	3,921	4,005	4,049	+0.2	-2.1	-1.1	3,987	3,926	3,976	3,731	15,620	16,266
23,27, 31	All other nondurable goods	14,669	14,891	14,762	14,760	-1.5	+0.9	0.0	14,161	14,736	14,856	13,436	57,189	55,507
	Market categories:													
	Home goods and apparel	13,317	13,528	13,551	13,463	-1.6	-0.2	+0.7	12,774	14,069	13,748	11,523	52,114	50,476
	Consumer staples	35,850	35,765	35,870	36,173	+0.2	-0.3	-0.8	34,989	36,686	35,554	33,199	140,428	135,342
	Equipment and defense products, except automotive	30,342	30,412	29,793	28,871	-0.2	+2.1	+3.2	29,783	32,561	29,495	25,218	117,057	116,136
	Automotive equipment	19,844	17,822	20,287	21,459	+11.3	-12.2	-5.5	21,492	19,765	20,676	19,938	81,871	78,700
	Construction materials, supplies and intermediate products	18,498	17,969	17,679	18,170	+2.9	+1.6	-2.7	18,814	18,208	16,692	15,155	68,869	63,443
	Other materials, supplies, and intermediate products	77,065	75,555	79,094	80,580	+2.0	-4.5	-1.8	78,318	79,251	80,483	77,130	315,182	322,777
	Supplementary series:[2]													
	Capital goods industries	34,578	34,383	34,145	32,385	+0.6	+0.7	+5.4	33,943	36,827	34,056	28,488	133,314	130,340
	Nondefense	27,201	27,304	26,564	25,352	-0.4	+2.8	+4.8	26,579	29,364	26,533	22,271	104,747	104,623
	Defense	7,377	7,079	7,581	7,033	+4.2	-6.6	+7.8	7,364	7,463	7,523	6,217	28,567	25,717
	Household durable goods industries	6,662	6,838	6,720	6,720	-2.6	+1.8	0.0	6,559	7,246	6,699	5,699	26,203	25,008

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1986P	Mar. 1986r	Feb. 1986r	Jan. 1986r	Mar.-Apr.P	Feb.-Mar.r	Jan.-Feb.r	Apr. 1986P	Mar. 1986r	Feb. 1986r	Jan. 1986r	1986P	1985
	All manufacturing industries	193,177	192,996	198,559	201,133	+0.1	-2.8	-1.3	194,619	205,866	201,355	188,488	790,328	775,661
	Manufacturing industries with unfilled orders	106,168	107,796	109,723	109,086	-1.5	-1.8	+0.6	106,734	117,066	112,459	102,969	439,228	422,043
	Durable goods industries	104,507	104,682	107,545	108,194	-0.2	-2.7	-0.6	106,557	115,035	110,155	101,034	432,781	415,278
	With unfilled orders	84,270	86,136	87,660	87,138	-2.2	-1.7	+0.6	84,724	94,805	90,267	82,107	351,903	339,402
32	Stone, clay, and glass products	4,900	4,832	4,946	4,973	+1.4	-2.3	-0.5	4,976	4,911	4,703	4,486	19,076	57,491
33	Primary metals	9,599	9,762	10,614	10,596	-1.7	-8.0	+0.2	9,549	11,019	11,693	11,243	43,504	44,953
331	Blast furnaces, steel mills	3,879	4,110	4,516	4,228	-5.6	-9.0	+6.8	3,716	4,785	5,129	4,622	18,252	19,409
333-9	Nonferrous and other primary metals	4,282	4,463	4,825	4,994	-4.1	-7.5	-3.4	4,359	4,949	5,248	5,209	19,765	20,336
34	Fabricated metal products	14,367	13,141	14,274	14,326	+9.3	-7.9	-0.4	14,422	14,168	14,339	12,720	55,649	53,018
35	Machinery, except electrical	16,710	16,081	18,277	15,603	+3.9	-12.0	+17.1	16,644	17,542	18,482	14,310	66,978	71,814
351	Engines and turbines	1,250	1,095	1,383	1,314	+14.2	-20.8	+5.3	1,213	1,301	1,497	1,051	5,062	4,400
353	Construction, mining, and material handling equipment	3,026	2,778	2,777	2,903	+8.9	0.0	-4.3	2,916	2,798	2,898	2,694	11,306	11,033
354	Metalworking machinery	827	877	799	848	-5.7	+9.8	-5.8	810	936	836	749	3,331	3,786
356	General industrial machinery	1,590	1,393	1,430	1,419	+14.1	-2.6	+0.8	1,536	1,442	1,508	1,389	5,875	5,556
357	Office and computing machines	3,080	3,514	5,014	2,262	-12.4	-29.9	+121.7	2,954	3,932	4,535	1,764	13,185	18,978
36	Electrical machinery	15,190	17,066	15,704	15,346	-11.0	+8.7	+2.3	14,773	18,457	16,672	14,824	64,726	64,156
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,890	2,156	1,941	2,162	-12.3	+11.1	-10.2	1,928	2,374	2,103	2,013	8,418	8,162
363	Household appliances	1,335	1,365	1,291	1,465	-2.2	+5.7	-11.9	1,352	1,455	1,279	1,332	5,418	5,510
365	Radio and TV	1,116	1,148	921	975	-2.8	+24.6	-5.5	828	1,034	992	847	3,701	3,405
366	Communication equipment	4,965	6,243	5,745	5,528	-20.5	+8.7	+3.9	4,533	7,164	6,117	5,527	23,341	24,930
367	Electronic components	3,146	3,518	3,071	2,732	-10.6	+14.6	+12.4	3,527	3,736	3,391	2,738	13,392	12,706
37	Transportation equipment	27,917	28,496	28,458	31,002	-2.0	+0.1	-8.2	29,990	32,517	29,122	29,332	120,961	103,838
372,6	Aircraft, missiles, and parts	7,857	8,238	8,720	10,928	-4.6	-5.5	-20.2	8,476	10,502	8,709	10,249	37,936	27,802
3731,95	Shipbuilding and military tank vehicles	1,085	3,062	239	-146	-64.6	+1181.2	(n)	1,126	2,983	459	-24	4,544	1,916
38	Instruments and related products	4,674	4,394	4,606	4,930	+6.4	-4.6	-6.6	4,487	4,717	4,500	4,549	18,253	18,434
24,25, 39	All other durable goods	11,150	10,910	10,666	11,177	+2.2	+2.3	-4.6	11,716	11,704	10,644	9,570	43,634	40,736
	Nondurable goods industries	88,670	88,314	91,014	92,939	+0.4	-3.0	-2.1	88,062	90,831	91,200	87,454	357,547	360,383
	With unfilled orders	21,898	21,660	22,063	21,948	+1.1	-1.8	+0.5	22,010	22,261	22,192	20,862	87,325	82,641
	Market categories:													
	Home goods and apparel	13,216	13,534	13,549	13,942	-2.3	-0.1	-2.8	12,848	14,308	13,924	12,028	53,108	51,297
	Consumer staples	35,864	35,858	35,916	36,132	0.0	-0.2	-0.6	34,972	36,746	35,566	33,252	140,536	135,366
	Equipment and defense products, except automotive	30,511	32,463	29,968	29,852	-6.0	+8.3	+0.4	29,703	36,145	30,572	28,446	124,866	122,135
	Automotive equipment	19,815	18,132	20,512	21,482	+9.3	-11.6	-4.5	21,333	19,942	20,848	20,124	82,247	78,492
	Construction materials, supplies and intermediate products	18,378	17,399	17,869	18,220	+5.6	-2.6	-1.9	18,669	17,993	17,122	15,244	69,028	64,039
	Other materials, supplies, and intermediate products	75,393	75,610	80,745	81,505	-0.3	-6.4	-0.9	77,094	80,732	83,323	79,394	320,543	324,332
	Supplementary series:[2]													
	Capital goods industries	33,814	36,987	35,837	34,638	-8.6	+3.2	+3.5	33,605	41,652	36,701	32,595	144,553	136,683
	Nondefense	26,075	26,540	28,637	24,288	-1.8	-7.3	+17.9	25,555	29,225	28,316	22,777	105,873	106,057
	Defense	7,739	10,447	7,200	10,350	-25.9	+45.1	-30.4	8,050	12,427	8,385	9,818	38,680	30,626
	Household durable goods industries	6,619	6,824	6,639	7,139	-3.0	+2.8	-7.0	6,619	7,444	6,836	6,155	27,054	25,756

P Preliminary. r Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for shipbuilding and military tank vehicles in February was 266.0 percent.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1986p	Mar. 1986r	Feb. 1986r	Jan. 1986r	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.r	Apr. 1986p	Mar. 1986r	Feb. 1986r	Jan. 1986r	Apr. 1985
	All manufacturing industries..	368,717	370,456	368,511	366,226	-0.5	+0.5	+0.6	376,167	377,718	372,392	367,685	361,728
	Durable goods industries.....	358,022	359,588	357,599	355,599	-0.4	+0.6	+0.6	365,208	366,777	361,493	357,046	351,638
32	Stone, clay, and glass products...	2,806	2,873	2,825	2,780	-2.3	+1.7	+1.6	2,868	2,920	2,850	2,710	2,601
33	Primary metals.....	20,100	20,608	20,679	20,224	-2.5	-0.3	+2.2	21,014	22,070	21,742	20,558	20,483
331	Blast furnaces, steel mills.....	9,489	9,700	9,516	9,173	-2.2	+1.9	+3.7	10,030	10,621	10,135	9,375	9,821
333-9	Nonferrous and other primary metals.....	6,742	7,212	7,511	7,422	-6.5	-4.0	+1.2	7,045	7,638	7,842	7,467	7,438
34	Fabricated metal products.....	19,639	19,656	20,248	20,274	-0.1	-2.9	-0.1	19,766	19,929	20,123	19,900	21,351
35	Machinery, except electrical.....	57,151	58,288	59,584	58,246	-2.0	-2.2	+2.3	57,714	58,646	59,950	58,532	63,194
351	Engines and turbines.....	15,050	15,026	15,329	15,123	+0.2	-2.0	+1.4	14,926	14,986	15,283	15,016	14,512
353	Construction, mining, and material handling equipment....	5,716	5,834	6,122	6,253	-2.0	-4.7	-2.1	5,762	5,933	6,201	6,284	6,048
354	Metalworking machinery.....	3,846	3,834	3,860	3,927	+0.3	-0.7	-1.7	3,781	3,773	3,829	3,888	4,111
356	General industrial machinery....	4,124	4,205	4,226	4,238	-1.9	-0.5	-0.3	4,173	4,243	4,272	4,242	4,599
357	Office and computing machines...	17,674	18,615	19,200	17,861	-5.1	-3.0	+7.5	18,010	18,578	19,200	18,075	22,240
36	Electrical machinery.....	83,427	83,608	82,729	82,844	-0.2	+1.1	-0.1	84,257	84,869	83,436	82,651	82,262
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,648	5,763	5,837	5,962	-2.0	-1.3	-2.1	5,738	5,826	5,872	5,887	6,351
363	Household appliances.....	319	332	352	401	-3.9	-5.7	-12.2	337	344	341	405	388
365	Radio and TV.....	572	470	365	458	+21.7	+28.8	-20.3	316	386	406	387	294
366	Communication equipment.....	59,524	59,602	58,836	58,518	-0.1	+1.3	+0.5	60,188	60,809	59,520	58,768	55,729
367	Electronic components.....	15,852	15,990	15,904	16,096	-0.9	+0.5	-1.2	16,169	16,054	15,856	15,806	18,044
37	Transportation equipment.....	160,943	160,566	157,100	156,604	+0.2	+2.2	+0.3	165,389	164,371	159,387	158,646	147,083
372,6	Aircraft, missiles, and parts...	135,587	135,647	134,871	134,093	0.0	+0.6	+0.6	139,453	138,808	136,301	135,435	120,663
3731,95	Shipbuilding and military tank vehicles.....	18,886	18,502	16,130	16,606	+2.1	+14.7	-2.9	19,427	18,973	16,710	16,968	19,460
38	Instruments and related products..	8,511	8,534	8,731	8,821	-0.3	-2.3	-1.0	8,559	8,599	8,714	8,770	8,529
24,25, 39	All other durable goods.....	5,445	5,455	5,703	5,806	-0.2	-4.3	-1.8	5,641	5,373	5,291	5,279	6,135
	Nondurable goods industries.....	10,695	10,868	10,912	10,627	-1.6	-0.4	+2.7	10,959	10,941	10,899	10,639	10,090
	Market categories:												
	Home goods and apparel.....	4,584	4,685	4,679	4,681	-2.2	+0.1	0.0	4,612	4,538	4,299	4,123	4,649
	Consumer staples.....	863	849	756	710	+1.6	+12.3	+6.5	841	858	798	786	657
	Equipment and defense products, except automotive.....	231,640	231,471	229,420	229,245	+0.1	+0.9	+0.1	236,069	236,149	232,565	231,488	225,901
	Automotive equipment.....	5,906	5,935	5,625	5,400	-0.5	+5.5	+4.2	5,930	6,089	5,912	5,740	6,281
	Construction materials, supplies and intermediate products.....	11,968	12,088	12,658	12,468	-1.0	-4.5	+1.5	12,135	12,280	12,495	12,065	12,791
	Other materials, supplies, and intermediate products.....	113,756	115,428	115,373	113,722	-1.4	0.0	+1.5	116,580	117,804	116,323	113,483	111,449
	Supplementary series:[2]												
	Capital goods industries.....	281,105	281,869	279,265	277,573	-0.3	+0.9	+0.6	286,779	287,117	282,292	279,647	270,200
	Nondefense.....	132,942	134,068	134,832	132,759	-0.8	-0.6	+1.6	133,828	134,852	134,991	133,208	134,263
	Defense.....	148,163	147,801	144,433	144,814	+0.2	+2.3	-0.3	152,951	152,265	147,301	146,439	135,937
	Household durable goods industries.....	4,030	4,073	4,087	4,168	-1.1	-0.3	-1.9	4,031	3,971	3,773	3,636	4,179

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1986p	Mar. 1986r	Feb. 1986	Jan. 1986	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1986p	Mar. 1986r	Feb. 1986	Jan. 1986	Apr. 1985
	All manufacturing industries..	279,195	279,571	279,236	280,357	-0.1	+0.1	-0.4	281,187	280,348	280,374	279,029	288,095
	Manufacturing industries with unfilled orders.....	195,361	196,009	195,294	196,097	-0.3	+0.4	-0.4	196,893	196,384	195,408	194,082	202,123
	Durable goods industries.....	187,788	188,333	187,644	188,518	-0.3	+0.4	-0.5	189,245	189,131	188,382	186,961	193,991
	With unfilled orders.....	171,924	172,570	171,908	172,894	-0.4	+0.4	-0.6	173,128	172,931	172,097	171,220	177,859
32	Stone, clay, and glass products...	5,540	5,576	5,546	5,618	-0.6	+0.5	-1.3	5,695	5,706	5,687	5,559	6,085
322	Glass containers.....	656	661	646	654	-0.8	+2.3	-1.2	672	665	653	636	640
33	Primary metals.....	16,999	17,220	17,281	17,316	-1.3	-0.4	-0.2	17,088	17,171	17,342	17,379	19,385
331	Blast furnaces, steel mills.....	7,457	7,578	7,615	7,504	-1.6	-0.5	+1.5	7,315	7,358	7,524	7,602	8,551
333-9	Nonferrous and other primary metals.....	8,258	8,321	8,338	8,539	-0.8	-0.2	-2.4	8,440	8,454	8,471	8,522	9,464
34	Fabricated metal products.....	18,991	18,926	18,885	19,148	+0.3	+0.2	-1.4	19,315	19,177	19,040	18,994	19,440
341	Metal cans, barrels, and drums..	2,172	2,213	2,116	2,261	-1.9	+4.6	-6.4	2,430	2,408	2,249	2,277	2,667
35	Machinery, except electrical.....	38,378	39,017	39,285	39,441	-1.6	-0.7	-0.4	38,611	38,959	39,329	39,132	41,870
351	Engines and turbines.....	1,936	1,965	1,877	1,844	-1.5	+4.7	+1.8	1,957	1,954	1,903	1,853	2,136
352	Farm machinery and equipment....	1,788	1,867	1,882	1,841	-4.2	-0.8	+2.2	1,835	1,908	1,953	1,845	1,869
353	Construction, mining, and material handling equipment....	5,864	6,099	6,235	6,272	-3.9	-2.2	-0.6	5,946	6,136	6,235	6,222	6,791
354	Metalworking machinery.....	2,736	2,874	2,936	2,817	-4.8	-2.1	+4.2	2,728	2,842	2,921	2,792	2,711
356	General industrial machinery....	3,282	3,366	3,366	3,483	-2.5	0.0	-3.4	3,318	3,373	3,386	3,500	3,539
357	Office and computing machines...	11,856	11,964	12,034	12,092	-0.9	-0.6	-0.5	11,797	11,773	11,902	11,850	13,108
36	Electrical machinery.....	33,715	33,544	33,452	33,617	+0.5	+0.3	-0.5	34,075	33,593	33,285	33,088	34,124
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,221	4,253	4,204	4,289	-0.8	+1.2	-2.0	4,245	4,215	4,173	4,208	4,522
363	Household appliances.....	2,317	2,308	2,279	2,255	+0.4	+1.3	+1.1	2,475	2,389	2,302	2,223	2,702
365	Radio and TV.....	1,455	1,429	1,365	1,330	+1.8	+4.7	+2.6	1,446	1,372	1,312	1,262	1,377
366	Communication equipment.....	14,847	14,641	14,680	14,718	+1.4	-0.3	-0.3	14,936	14,740	14,647	14,577	14,100
367	Electronic components.....	5,917	5,919	5,945	6,037	0.0	-0.4	-1.5	5,941	5,913	5,927	5,940	6,530
37	Transportation equipment.....	50,060	49,896	48,931	49,232	+0.3	+2.0	-0.6	50,185	50,296	49,373	48,850	48,194
371	Motor vehicles and parts.....	11,281	11,264	11,355	11,301	+0.2	-0.8	+0.5	11,251	11,372	11,581	11,463	11,223
372,6	Aircraft, missiles, and parts...	35,491	35,365	34,443	34,747	+0.4	+2.7	-0.9	35,684	35,623	34,554	34,145	33,945
3731,95	Shipbuilding and military tank vehicles.....	1,624	1,605	1,510	1,517	+1.2	+6.3	-0.5	1,622	1,608	1,525	1,507	1,389
38	Instruments and related products..	9,436	9,533	9,535	9,613	-1.0	0.0	-0.8	9,560	9,508	9,459	9,480	9,837
381-4	Scientific and engineering instruments.....	6,608	6,701	6,718	6,799	-1.4	-0.3	-1.2	6,707	6,701	6,678	6,724	7,047
386	Photographic goods.....	2,224	2,219	2,203	2,217	+0.2	+0.7	-0.6	2,237	2,195	2,179	2,157	2,147
24,25, 39	All other durable goods.....	14,669	14,621	14,729	14,533	+0.3	-0.7	+1.3	14,716	14,721	14,867	14,479	15,056
	Nondurable goods industries.....	91,407	91,238	91,592	91,839	+0.2	-0.4	-0.3	91,942	91,217	91,992	92,068	94,104
	With unfilled orders.....	23,437	23,439	23,386	23,203	0.0	+0.2	+0.8	23,765	23,453	23,311	22,862	24,264
20	Food and kindred products.....	21,340	20,948	20,998	20,944	+1.9	-0.2	+0.3	20,774	20,615	21,192	21,519	20,971
201	Meat products.....	2,094	2,135	2,216	2,293	-1.9	-3.7	-3.4	2,224	2,191	2,285	2,323	2,303
208	Beverages.....	3,426	3,362	3,405	3,385	+1.9	-1.3	+0.6	3,525	3,463	3,511	3,446	3,578
207	Fats and oils.....	981	1,056	1,052	1,104	-7.1	+0.4	-4.7	965	1,084	1,156	1,254	1,197
203-6,9	All other foods.....	13,083	12,701	12,627	12,479	+3.0	+0.6	+1.2	12,272	12,193	12,564	12,816	12,080
21	Tobacco products.....	3,223	3,267	3,316	3,266	-1.3	-1.5	+1.5	3,275	3,345	3,462	3,478	3,526
22	Textile mill products.....	6,596	6,609	6,554	6,477	-0.2	+0.8	+1.2	6,716	6,712	6,654	6,482	7,005
26	Paper and allied products.....	9,799	9,781	9,725	9,806	+0.2	+0.6	-0.8	10,001	9,827	9,707	9,682	9,982
261-3,6	Pulp, paper etc.....	3,907	3,930	3,936	3,939	-0.6	-0.2	-0.1	3,951	3,940	3,929	3,893	3,784
265	Paperboard containers.....	2,291	2,343	2,348	2,378	-2.2	-0.2	-1.3	2,335	2,343	2,315	2,340	2,613
264	All other paper products.....	3,601	3,508	3,441	3,489	+2.7	+1.9	-1.4	3,715	3,544	3,463	3,449	3,585
28	Chemicals and allied products.....	21,518	21,554	21,434	21,549	-0.2	+0.6	-0.5	21,845	21,787	21,707	21,609	21,677
281,6	Industrial chemicals, except pigments.....	6,497	6,544	6,632	6,586	-0.7	-1.3	+0.7	6,568	6,564	6,645	6,619	6,599
283,4	Drugs, soaps, and toiletries....	7,015	6,940	6,837	6,856	+1.1	+1.5	-0.3	7,134	6,933	6,823	6,753	6,893
29	Petroleum and coal products.....	6,300	6,436	6,916	7,326	-2.1	-6.9	-5.6	6,248	6,293	6,866	7,304	7,907
30	Rubber and plastics products.....	6,338	6,449	6,478	6,382	-1.7	-0.4	+1.5	6,610	6,602	6,491	6,307	6,310
23,27, 31	All other nondurable goods.....	16,293	16,194	16,171	16,089	+0.6	+0.1	+0.5	16,473	16,036	15,913	15,687	16,726
	Market categories:												
	Home goods and apparel.....	22,330	22,197	21,936	21,973	+0.6	+1.2	-0.2	22,652	22,116	21,807	21,611	23,132
	Consumer staples.....	34,380	33,798	33,885	33,640	+1.7	-0.3	+0.7	34,048	33,553	34,072	34,098	33,920
	Equipment and defense products, except automotive.....	83,122	83,514	83,634	84,141	-0.5	-0.1	-0.6	83,746	83,883	83.759	83,352	86,025
	Automotive equipment.....	13,604	13,557	13,631	13,558	+0.3	-0.5	+0.5	13,602	13,769	13,982	13,795	13,700
	Construction materials, supplies and intermediate products.....	19,077	18,939	19,007	18,953	+0.7	-0.4	+0.3	19,318	19,272	19,279	18,773	19,606
	Other materials, supplies, and intermediate products.....	106,682	107,566	107,143	108,092	-0.8	+0.4	-0.9	107,821	107,755	107,475	107,400	111,712
	Supplementary series:[2]												
	Capital goods industries.....	96,886	97,253	96,493	97,102	-0.4	+0.8	-0.6	97,513	97,459	96,485	95,840	97,937
	Nondefense.....	69,324	70,173	70,239	70,340	-1.2	-0.1	-0.1	69,772	70,041	70,223	69,623	73,764
	Defense.....	27,562	27,080	26,254	26,762	+1.8	+3.1	-1.9	27,741	27,418	26,262	26,217	24,173
	Household durable goods industries.....	11,179	11,098	10,979	10,935	+0.7	+1.1	+0.4	11,350	11,089	10,968	10,765	11,883

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Apr. 1986[p]	Mar. 1986[r]	Feb. 1986	Jan. 1986	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1986[p]	Mar. 1986[r]	Feb. 1986	Jan. 1986	Apr. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	87,221	86,819	87,405	87,817	+0.5	-0.7	-0.5	87,485	87,068	87,863	88,344	92,316
	Durable goods industries.....	51,785	51,688	51,921	52,317	+0.2	-0.4	-0.8	51,598	51,497	52,006	52,324	55,454
32	Stone, clay, and glass products...	1,754	1,721	1,746	1,754	+1.9	-1.4	-0.5	1,754	1,723	1,747	1,752	1,857
33	Primary metals.....	4,812	4,776	4,950	4,977	+0.8	-3.5	-0.5	4,655	4,680	4,951	5,078	5,555
34	Fabricated metal products.....	7,049	7,159	7,192	7,266	-1.5	-0.5	-1.0	7,110	7,230	7,212	7,286	7,433
35	Machinery, except electrical.....	10,511	10,427	10,785	10,845	+0.8	-3.3	-0.6	10,559	10,374	10,800	10,843	11,957
36	Electrical Machinery.....	7,808	7,911	7,789	7,740	-1.3	+1.6	+0.6	7,888	7,838	7,748	7,721	8,748
37	Transportation equipment.....	11,689	11,552	11,313	11,561	+1.2	+2.1	-2.1	11,644	11,624	11,419	11,446	11,564
38	Instruments and related products..	2,659	2,669	2,656	2,646	-0.4	+0.5	+0.4	2,670	2,663	2,625	2,643	2,783
24,25, 39	All other durable goods.....	5,503	5,473	5,490	5,528	+0.5	-0.3	-0.7	5,318	5,365	5,504	5,555	5,557
	Nondurable goods industries.....	35,436	35,131	35,484	35,500	+0.9	-1.0	0.0	35,887	35,571	35,857	36,020	36,862
20	Food and kindred products.....	7,557	7,297	7,324	7,428	+3.6	-0.4	-1.4	7,670	7,492	7,583	7,780	7,731
21	Tobacco products.....	2,650	2,760	2,740	2,737	-4.0	+0.7	+0.1	2,736	2,834	2,888	2,976	3,000
22	Textile mill products.....	2,135	2,094	2,073	2,048	+2.0	+1.0	+1.2	2,171	2,145	2,091	2,057	2,163
26	Paper and allied products.....	4,896	4,912	4,882	4,819	-0.3	+0.6	+1.3	4,936	4,921	4,854	4,784	4,856
28	Chemicals and allied products.....	7,869	7,727	7,926	7,947	+1.8	-2.5	-0.3	7,941	7,813	7,963	8,007	8,316
29	Petroleum and coal products.....	1,874	1,884	2,088	2,073	-0.5	-9.8	+0.7	1,927	1,883	2,044	2,062	2,044
30	Rubber and plastics products.....	2,289	2,352	2,301	2,260	-2.7	+2.2	+1.8	2,328	2,342	2,271	2,255	2,071
23,27, 31	All other nondurable goods.....	6,166	6,105	6,150	6,188	+1.0	-0.7	-0.6	6,178	6,141	6,163	6,099	6,681
	WORK IN PROCESS												
	All manufacturing industries..	104,533	105,144	104,310	104,627	-0.6	+0.8	-0.3	105,305	105,553	104,576	103,641	104,702
	Durable goods industries.....	90,769	91,236	90,125	90,477	-0.5	+1.2	-0.4	91,407	91,696	90,458	89,679	90,188
32	Stone, clay, and glass products...	728	768	751	784	-5.2	+2.3	-4.2	760	806	791	776	835
33	Primary metals.....	7,013	7,282	7,043	7,002	-3.7	+3.4	+0.6	7,056	7,216	7,065	7,087	7,920
34	Fabricated metal products.....	6,967	6,832	6,842	6,929	+2.0	-0.1	-1.3	7,103	6,948	6,867	6,767	6,891
35	Machinery, except electrical.....	15,768	16,087	16,109	16,288	-2.0	-0.1	-1.1	15,873	16,070	16,133	16,204	16,680
36	Electrical Machinery.....	19,767	19,556	19,568	19,729	+1.1	-0.1	-0.8	19,892	19,612	19,505	19,425	18,555
37	Transportation equipment.....	33,229	33,294	32,452	32,445	-0.2	+2.6	0.0	33,367	33,601	32,724	32,188	31,405
38	Instruments and related products..	3,975	4,033	3,949	4,045	-1.4	+2.1	-2.4	4,026	4,049	3,944	3,974	4,246
24,25, 39	All other durable goods.....	3,322	3,384	3,411	3,255	-1.8	-0.8	+4.8	3,330	3,394	3,429	3,258	3,656
	Nondurable goods industries.....	13,764	13,908	14,185	14,150	-1.0	-2.0	+0.2	13,898	13,857	14,118	13,962	14,514
20	Food and kindred products.....	1,668	1,666	1,632	1,638	+0.1	+2.1	-0.4	1,669	1,692	1,683	1,689	1,667
21	Tobacco products.....	289	223	261	219	+29.6	-14.6	+19.2	224	208	258	196	195
22	Textile mill products.....	1,930	1,932	1,896	1,827	-0.1	+1.9	+3.8	1,947	1,950	1,933	1,846	1,979
26	Paper and allied products.....	1,117	1,122	1,117	1,144	-0.4	+0.4	-2.4	1,115	1,110	1,104	1,118	1,134
28	Chemicals and allied products.....	3,369	3,377	3,369	3,538	-0.2	+0.2	-4.8	3,397	3,387	3,375	3,473	3,566
29	Petroleum and coal products.....	892	951	1,140	1,085	-6.2	-16.6	+5.1	932	946	1,092	1,043	1,322
30	Rubber and plastics products.....	1,170	1,221	1,263	1,236	-4.2	-3.3	+2.2	1,195	1,211	1,235	1,226	1,155
23,27, 31	All other nondurable goods.....	3,329	3,416	3,507	3,463	-2.5	-2.6	+1.3	3,419	3,353	3,438	3,371	3,496
	FINISHED GOODS												
	All manufacturing industries..	87,441	87,608	87,521	87,913	-0.2	+0.1	-0.4	88,397	87,727	87,935	87,044	91,077
	Durable goods industries.....	45,234	45,409	45,598	45,724	-0.4	-0.4	-0.3	46,240	45,938	45,918	44,958	48,349
32	Stone, clay, and glass products...	3,058	3,087	3,049	3,080	-0.9	+1.2	-1.0	3,181	3,177	3,149	3,031	3,393
33	Primary metals.....	5,174	5,162	5,288	5,337	+0.2	-2.4	-0.9	5,377	5,275	5,326	5,214	5,910
34	Fabricated metal products.....	4,975	4,935	4,851	4,953	+0.8	+1.7	-2.1	5,102	4,999	4,961	4,941	5,116
35	Machinery, except electrical.....	12,099	12,503	12,391	12,308	-3.2	+0.9	+0.7	12,179	12,515	12,396	12,085	13,233
36	Electrical Machinery.....	6,140	6,077	6,095	6,148	+1.0	-0.3	-0.9	6,295	6,143	6,032	5,942	6,821
37	Transportation equipment.....	5,142	5,050	5,166	5,226	+1.8	-2.2	-1.1	5,174	5,071	5,230	5,216	5,225
38	Instruments and related products..	2,802	2,831	2,930	2,922	-1.0	-3.4	+0.3	2,864	2,796	2,890	2,863	2,808
24,25, 39	All other durable goods.....	5,844	5,764	5,828	5,750	+1.4	-1.1	+1.4	6,068	5,962	5,934	5,666	5,843
	Nondurable goods industries.....	42,207	42,199	41,923	42,189	0.0	+0.7	-0.6	42,157	41,789	42,017	42,086	42,728
20	Food and kindred products.....	12,115	11,985	12,042	11,878	+1.1	-0.5	+1.4	11,435	11,431	11,926	12,050	11,573
21	Tobacco products.....	284	284	315	310	0.0	-9.8	+1.6	315	303	316	306	331
22	Textile mill products.....	2,531	2,583	2,585	2,602	-2.0	-0.1	-0.7	2,598	2,617	2,630	2,579	2,863
26	Paper and allied products.....	3,786	3,747	3,726	3,843	+1.0	+0.6	-3.0	3,950	3,796	3,749	3,780	3,992
28	Chemicals and allied products.....	10,280	10,450	10,139	10,064	-1.6	+3.1	+0.7	10,507	10,587	10,369	10,129	9,795
29	Petroleum and coal products.....	3,534	3,601	3,688	4,168	-1.9	-2.4	-11.5	3,389	3,464	3,730	4,199	4,541
30	Rubber and plastics products.....	2,879	2,876	2,914	2,886	+0.1	-1.3	+1.0	3,087	3,049	2,985	2,826	3,084
23,27, 31	All other nondurable goods.....	6,798	6,673	6,514	6,438	+1.9	+2.4	+1.2	6,876	6,542	6,312	6,217	6,549

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Apr. 1986[P]	Mar. 1986[r]	Feb. 1986[r]	Jan. 1986[r]	Apr. 1986[P]	Mar. 1986[r]	Feb. 1986[r]	Jan. 1986[r]
	All manufacturing industries	1.43	1.46	1.42	1.41	3.42	3.50	3.43	3.43
	Durable goods industries	1.77	1.83	1.78	1.78	4.17	4.27	4.17	4.20
32	Stone, clay, and glass products	1.12	1.17	1.13	1.08	0.62	0.66	0.63	0.58
33	Primary metals	1.68	1.75	1.70	1.71	1.99	2.10	2.04	2.00
34	Fabricated metal products	1.32	1.38	1.32	1.32	1.46	1.53	1.51	1.50
35	Machinery, except electrical	2.15	2.25	2.32	2.35	3.37	3.52	3.68	3.68
36	Electrical machinery	2.19	2.07	2.11	2.27	5.43	5.17	5.23	5.58
37	Transportation equipment	1.82	1.99	1.75	1.73	10.72	11.58	10.38	10.52
38	Instruments and related products	2.01	2.08	2.03	1.99	1.81	1.86	1.86	1.82
	Nondurable goods industries	1.03	1.03	1.01	0.99	0.48	0.50	0.50	0.48
20	Food and kindred products	0.86	0.85	0.84	0.81	(X)	(X)	(X)	(X)
21	Tobacco products	2.05	1.52	1.84	3.00	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.54	1.47	1.42	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.12	1.16	1.13	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.18	1.26	1.18	1.17	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.52	0.50	0.50	0.47	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.61	1.64	1.62	1.58	(X)	(X)	(X)	(X)

[P]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Apr. 1985	All Aprs. 1981-1985	Apr. 1985-Mar. 1986	Year ago Apr. 1985	All Aprs. 1981-1985	Apr. 1985-Mar. 1986	Year ago Apr. 1985	All Aprs. 1981-1985	Apr. 1985-Mar. 1986	Year ago Apr. 1985	All Aprs. 1981-1985	Apr. 1985-Mar. 1986
	All manufacturing industries.	0.0	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.1	0.3	0.3	0.5	0.4	0.3	0.1	0.1	0.1	0.0	0.1	0.1
32	Stone, clay, and glass products	0.5	0.5	1.0	0.0	0.6	1.1	1.1	1.4	0.8	0.2	0.3	0.3
33	Primary metals	1.8	0.6	1.0	1.9	1.3	1.1	0.1	0.1	0.5	0.1	0.1	0.2
34	Fabricated metal products	0.4	1.0	0.6	0.2	1.4	1.0	0.1	0.2	0.5	0.4	0.4	0.6
35	Machinery, except electrical	0.3	0.6	0.6	0.6	1.7	0.9	0.3	0.4	0.2	0.1	0.2	0.2
36	Electrical machinery	0.1	0.2	0.9	1.3	0.5	1.5	0.2	0.1	0.2	0.3	0.3	0.2
37	Transportation equipment	0.3	1.1	0.4	0.3	2.3	0.9	0.1	0.2	0.1	0.1	0.1	0.1
38	Instruments and related products.	0.9	0.8	1.0	2.4	1.3	1.3	0.8	0.7	0.5	0.1	0.4	0.4
	Nondurable goods industries	0.1	0.1	0.3	0.0	0.2	0.3	0.6	0.6	0.5	0.4	0.2	0.2
20	Food and kindred products	0.7	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5	0.2
21	Tobacco products	0.0	0.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	1.1	0.9	1.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.9
26	Paper and allied products	0.4	1.2	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.4	0.3
28	Chemicals and allied product	0.2	0.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.7	0.4
29	Petroleum and coal products	0.0	0.3	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.8	0.8
30	Rubber and plastics products	3.2	1.1	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.3	0.7
	Capital Goods Industries:												
	Nondefense	0.4	0.4	0.6	0.7	1.4	0.7	0.2	0.3	0.1	0.0	0.1	0.1
	Defense	1.2	0.7	0.9	0.8	1.3	2.2	0.1	0.1	0.1	0.8	0.3	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

C 3.158:
M3-1 (86)-5

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

MAY 1986
M3-1(86)-5
For Wire Transmission 10:00 a.m. E.D.T. Wednesday, July 2, 1986

(All Figures in text are in seasonally adjusted current dollars)

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

SUMMARY. New orders for manufactured goods in May were $193.0 billion, virtually the same as in March and April, and 4.1 percent lower than the high in December of $201.2 billion. Both the durable and nondurable goods sectors in May showed little change from April.

Shipments of manufactured goods in May declined $2.7 billion or 1.4 percent to $193.4 billion. Except for a 2.7 percent increase in April, shipments have been declining since the high in November of $200.1 billion. Durable goods shipments in May were down 2.3 percent, while nondurables showed a smaller decline of 0.2 percent.

Unfilled orders held by manufacturers at the end of May were $367.1 billion showing little change from April; the high was in March at $370.5 billion.

Manufacturers' inventories declined $0.9 billion or 0.3 percent in May to $278.4 billion. Inventories have been generally declining since March 1985. The inventory to shipments ratio in May was 1.44 up from 1.42 in April, as the decline in shipments was proportionally larger than the decline in inventories.

NEW ORDERS. New orders in the durable goods sector were down $0.1 billion or 0.1 percent to $103.6 billion, revised down from the 0.4 percent increase reported earlier. Excluding defense capital goods which increased 36.6 percent, durable goods orders were down 2.6 percent.

Within the major industry categories, transportation equipment increased $1.9 billion or 7.2 percent to $28.4 billion, reflecting large defense orders in aircraft and shipbuilding. Offsetting the transportation equipment increase were declines in primary metals of $0.8 billion or 7.9 percent to $8.9 billion, electrical machinery $0.7 billion or 4.7 percent to $14.7 billion, fabricated metals $0.4 billion or 2.8 percent to $14.2 billion, and nonelectrical machinery $0.3 billion or 1.8 percent to $16.5 billion.

There was no change in nondurable goods orders as a large decline in chemicals of $1.1 billion was offset by increases in most of the other categories.

SHIPMENTS. The decrease in durable goods shipments of 2.3 percent reflected widespread declines, the largest of which were in nonelectrical machinery, down $1.1 billion or 6.1 percent to $16.8 billion, and transportation equipment, down $0.8 billion or 3.1 percent to $26.7 billion. The declines in nonelectrical reflected declines in nearly all component categories; the decline in transportation equipment resulted as a $1.1 billion decline in motor vehicles and parts was partially offset by small increases in most of the other categories.

Shipments within the nondurable goods industries showed mixed patterns of change. Chemical products declined $1.1 billion or 6.0 percent to $17.3 billion, offsetting the April increase of $1.3 billion. Partially offsetting the chemical decline were increases in tobacco products, up $0.5 billion, and foods products, up $0.4 billion.

UNFILLED ORDERS. Unfilled orders for durable goods in May were down 0.1 percent; excluding defense capital goods the backlog declined 0.9 percent. Unfilled orders for transportation equipment were up $1.7 billion or 1.1 percent to $161.3 billion. More than offsetting this increase were declines in primary metals of $1.0 billion or 5.0 percent, electrical machinery of $0.8 billion or 0.9 percent and nonelectrical machinery of $0.3 billion or 0.6 percent.

INVENTORIES. Inventories in the durable goods sector in May declined $0.5 billion or 0.3 percent to $187.5 billion. The largest declines were in nonelectrical machinery, and fabricated metals, down $0.3 billion and $0.2 billion respectively, and the largest increase in electrical machinery, up $0.2 billion. Nondurable goods inventories were down $0.4 billion or 0.5 percent to $90.9 billion, with the largest declines in foods and apparel.

By stage of fabrication, inventories of materials and supplies were down 0.7 percent, work in process 0.2 percent, and finished goods 0.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for June is scheduled for release on July 23, 1986 at 8:30 a.m. and the full report on July 31, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May 1986P	Apr. 1986r	Mar. 1986	Feb. 1986	Apr.-MayP	Mar.-Apr.r	Feb.-Mar.	May 1986P	Apr. 1986r	Mar. 1986	Feb. 1986	1986P	1985
	All manufacturing industries	193,443	196,132	191,051	196,274	-1.4	+2.7	-2.7	196,133	197,446	200,540	196,648	972,930	964,249
	Manufacturing industries with unfilled orders	106,439	108,249	105,851	107,438	-1.7	+2.3	-1.5	107,614	108,627	111,740	107,752	532,377	519,312
	Durable goods industries	104,089	106,592	102,693	105,545	-2.3	+3.8	-2.7	106,891	108,655	109,751	105,708	525,884	512,118
	With unfilled orders	84,520	86,212	84,147	85,660	-2.0	+2.5	-1.8	85,795	86,667	89,521	85,820	423,755	415,835
32	Stone, clay, and glass products	4,977	5,108	4,784	4,901	-2.6	+6.8	-2.4	5,144	5,171	4,841	4,563	24,128	23,109
322	Glass containers	412	457	401	442	-9.8	+14.0	-9.3	431	465	432	412	2,123	1,979
33	Primary metals	9,875	10,122	9,833	10,159	-2.4	+2.9	-3.2	10,286	10,621	10,691	10,509	51,922	53,989
331	Blast furnaces, steel mills	4,071	4,123	3,926	4,173	-1.3	+5.0	-5.9	4,185	4,342	4,299	4,369	21,348	22,593
333-9	Nonferrous and other primary metals	4,666	4,730	4,762	4,736	-1.4	-0.7	+0.5	4,843	4,929	5,153	4,873	24,286	25,108
34	Fabricated metal products	14,353	14,553	13,733	14,300	-1.4	+6.0	-4.0	14,765	14,754	14,362	14,116	70,774	67,239
341	Metal cans, barrels, and drums	989	981	846	870	+0.8	+16.0	-2.8	1,025	962	840	846	4,458	4,563
35	Machinery, except electrical	16,832	17,932	17,377	16,939	-6.1	+3.2	+2.6	16,946	17,666	18,846	17,064	85,353	87,741
351	Engines and turbines	1,199	1,228	1,398	1,177	-2.4	-12.2	+18.8	1,229	1,275	1,598	1,230	6,394	6,268
352	Farm machinery and equipment	808	943	835	755	-14.3	+12.9	+10.6	912	1,055	980	781	4,560	4,600
353	Construction, mining, and material handling equipment	2,882	3,179	3,066	2,908	-9.3	+3.7	+5.4	2,960	3,122	3,066	2,981	14,856	13,781
354	Metalworking machinery	851	838	903	866	+1.6	-7.2	+4.3	830	825	992	895	4,281	4,146
356	General industrial machinery	1,377	1,673	1,414	1,442	-17.7	+18.3	-1.9	1,396	1,608	1,471	1,478	7,343	6,965
357	Office and computing machines	3,990	4,010	4,099	3,675	-0.5	-2.2	+11.5	3,679	3,513	4,554	3,410	17,735	21,468
36	Electrical machinery	15,512	15,539	16,187	15,819	-0.2	-4.0	+2.3	15,496	15,549	17,024	15,887	77,570	74,605
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,079	2,038	2,230	2,066	+2.0	-8.6	+7.9	2,072	2,048	2,420	2,118	10,525	10,001
363	Household appliances	1,408	1,405	1,385	1,340	+0.2	+1.4	+3.4	1,423	1,416	1,452	1,343	6,918	6,926
365	Radio and TV	947	1,021	1,043	1,014	-7.2	-2.1	+2.9	867	905	1,054	973	4,697	4,333
366	Communication equipment	5,081	5,077	5,477	5,427	+0.1	-7.3	+0.9	5,136	5,188	5,875	5,365	25,856	24,731
367	Electronic components	3,241	3,273	3,432	3,263	-1.0	-4.6	+5.2	3,316	3,401	3,538	3,341	16,498	16,794
37	Transportation equipment	26,670	27,517	25,030	27,962	-3.1	+9.9	-10.5	28,282	28,953	27,533	28,381	139,010	132,064
371	Motor vehicles and parts	17,010	18,080	16,112	18,461	-5.9	+12.2	-12.7	18,593	19,478	17,879	18,891	93,021	89,007
372,6	Aircraft, missiles, and parts	8,132	7,882	7,462	7,942	+3.2	+5.6	-6.0	8,094	7,796	7,995	7,843	38,074	34,454
3731,95	Shipbuilding and military tank vehicles	712	702	690	715	+1.4	+1.7	-3.5	717	673	720	717	3,422	4,165
38	Instruments and related products	4,642	4,613	4,591	4,696	+0.6	+0.5	-2.2	4,563	4,446	4,832	4,556	22,780	22,889
381-4	Scientific and engineering instruments	3,085	3,058	2,960	3,047	+0.9	+3.3	-2.9	3,014	2,957	3,182	3,007	15,138	15,118
386	Photographic goods	1,388	1,378	1,467	1,463	+0.7	-6.1	+0.3	1,374	1,306	1,468	1,365	6,756	6,819
24,25, 39	All other durable goods	11,228	11,208	11,158	10,769	+0.2	+0.4	+3.6	11,409	11,495	11,622	10,632	54,347	50,482
	Nondurable goods industries	89,354	89,540	88,358	90,729	-0.2	+1.3	-2.6	89,242	88,791	90,789	90,940	447,046	452,131
	With unfilled orders	21,919	22,037	21,704	21,778	-0.5	+1.5	-0.3	21,819	21,960	22,219	21,932	108,622	103,477
20	Food and kindred products	25,719	25,279	24,764	24,933	+1.7	+2.1	-0.7	25,634	24,635	25,646	25,008	124,595	122,735
201	Meat products	5,403	5,578	5,435	5,459	-3.1	+2.6	-0.4	5,479	5,377	5,359	5,350	26,874	28,013
208	Beverages	4,035	4,005	3,925	3,846	+0.7	+2.0	+2.1	4,321	4,189	3,898	3,592	19,449	18,244
207	Fats and oils	1,133	1,038	1,044	1,126	+9.2	-0.6	-7.3	1,121	994	1,069	1,123	5,391	5,837
203-6,9	All other foods	11,790	11,462	11,122	11,317	+2.9	+3.1	-1.7	11,295	10,889	12,056	11,758	56,773	54,485
21	Tobacco products	2,077	1,570	2,155	1,800	+32.3	-27.1	+19.7	2,004	1,542	2,069	1,627	8,232	7,744
22	Textile mill products	4,333	4,487	4,299	4,452	-3.4	+4.4	-3.4	4,406	4,454	4,708	4,443	21,970	21,276
26	Paper and allied products	8,877	8,917	8,462	8,637	-0.4	+5.4	-2.0	8,910	8,989	8,819	8,906	44,046	40,917
261-3,6	Pulp, paper etc.	3,694	3,745	3,587	3,617	-1.4	+4.4	-0.8	3,779	3,821	3,770	3,728	18,595	17,751
265	Paperboard containers	1,801	1,837	1,730	1,805	-2.0	+6.2	-4.2	1,801	1,843	1,806	1,834	9,051	9,317
264	All other paper products	3,382	3,335	3,145	3,215	+1.4	+6.0	-2.2	3,330	3,325	3,243	3,344	16,400	13,849
28	Chemicals and allied products	17,254	18,363	17,068	18,185	-6.0	+7.6	-6.1	17,895	19,016	18,565	18,403	91,375	91,054
281,6	Industrial chemicals, except pigments	5,675	5,876	5,708	5,915	-3.4	+2.9	-3.5	5,766	6,111	6,187	6,146	29,837	30,069
283,4	Drugs, soaps, and toiletries	5,081	5,105	4,767	5,233	-0.5	+7.1	-8.9	4,807	4,722	5,063	5,160	24,817	22,199
29	Petroleum and coal products	12,398	12,344	12,798	13,955	+0.4	-3.5	-8.3	12,343	12,029	12,320	13,721	65,991	78,646
30	Rubber and plastics products	4,048	4,016	3,921	4,005	+0.8	+2.4	-2.1	4,040	4,078	3,926	3,976	19,751	20,364
23,27, 31	All other nondurable goods	14,648	14,564	14,891	14,762	+0.6	-2.2	+0.9	14,010	14,048	14,736	14,856	71,086	69,395
	Market categories:													
	Home goods and apparel	13,419	13,362	13,528	13,551	+0.4	-1.2	-0.2	12,779	12,816	14,069	13,748	64,935	63,058
	Consumer staples	36,924	35,920	35,765	35,870	+2.8	+0.4	-0.3	36,471	35,049	36,686	35,554	176,959	169,874
	Equipment and defense products, except automotive	29,770	30,384	30,412	29,793	-2.0	-0.1	+2.1	29,682	29,832	32,561	29,495	146,788	145,835
	Automotive equipment	18,804	19,899	17,822	20,287	-5.5	+11.7	-12.2	20,515	21,553	19,765	20,676	102,447	98,985
	Construction materials, supplies and intermediate products	18,522	18,765	17,969	17,679	-1.3	+4.4	+1.6	19,176	19,082	18,208	16,692	88,313	81,457
	Other materials, supplies, and intermediate products	76,004	77,802	75,555	79,094	-2.3	+3.0	-4.5	77,510	79,114	79,251	80,483	393,488	405,040
	Supplementary series:[2]													
	Capital goods industries	34,163	34,688	34,383	34,145	-1.5	+0.9	+0.7	33,997	34,048	36,827	34,056	167,416	163,509
	Nondefense	26,642	27,355	27,304	26,564	-2.6	+0.2	+2.8	26,455	26,730	29,364	26,533	131,353	131,188
	Defense	7,521	7,333	7,079	7,581	+2.6	+3.6	-6.6	7,542	7,318	7,463	7,523	36,063	32,321
	Household durable goods industries	6,704	6,689	6,838	6,720	+0.2	-2.2	+1.8	6,531	6,586	7,246	6,699	32,761	31,415

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		May 1986p	Apr. 1986r	Mar. 1986	Feb. 1986	Apr.–May p	Mar.–Apr. r	Feb.–Mar.	May 1986p	Apr. 1986r	Mar. 1986	Feb. 1986	1986p	1985
	All manufacturing industries	193,035	193,151	192,996	198,559	-0.1	+0.1	-2.8	192,701	194,594	205,866	201,355	983,004	970,854
	Manufacturing industries with unfilled orders	106,031	105,268	107,796	109,723	+0.7	-2.3	-1.8	104,182	105,775	117,066	112,459	542,451	525,916
	Durable goods industries	103,638	103,747	104,682	107,545	-0.1	-0.9	-2.7	103,443	105,748	115,035	110,155	535,415	518,444
	With unfilled orders	84,069	83,367	86,136	87,660	+0.8	-3.2	-1.7	82,347	83,760	94,805	90,267	433,286	422,161
32	Stone, clay, and glass products	4,896	4,998	4,832	4,946	-2.0	+3.4	-2.3	5,111	5,075	4,911	4,703	24,286	23,298
33	Primary metals	8,861	9,625	9,762	10,614	-7.9	-1.4	-8.0	8,800	9,577	11,019	11,693	52,332	55,513
331	Blast furnaces, steel mills	3,452	3,918	4,110	4,516	-11.9	-4.7	-9.0	3,318	3,757	4,785	5,129	21,611	23,517
333-9	Nonferrous and other primary metals	4,222	4,263	4,463	4,825	-1.0	-4.5	-7.5	4,253	4,340	4,949	5,248	23,999	25,396
34	Fabricated metal products	14,249	14,653	13,141	14,274	-2.8	+11.5	-7.9	14,738	14,708	14,168	14,339	70,673	67,112
35	Machinery, except electrical	16,492	16,800	16,081	18,277	-1.8	+4.5	-12.0	16,673	16,739	17,542	18,482	83,746	89,348
351	Engines and turbines	1,115	1,253	1,095	1,383	-11.0	+14.4	-20.8	1,239	1,216	1,301	1,497	6,304	5,513
353	Construction, mining, and material handling equipment	2,755	2,970	2,778	2,777	-7.2	+6.9	0.0	2,832	2,859	2,798	2,898	14,081	13,832
354	Metalworking machinery	897	854	877	799	+5.0	-2.6	+9.8	886	837	936	836	4,244	4,675
356	General industrial machinery	1,498	1,592	1,393	1,430	-5.9	+14.3	-2.6	1,510	1,538	1,442	1,508	7,387	6,898
357	Office and computing machines	3,765	3,136	3,514	5,014	+20.1	-10.8	-29.9	3,642	3,013	3,932	4,535	16,886	23,410
36	Electrical machinery	14,734	15,467	17,066	15,704	-4.7	-9.4	+8.7	14,901	15,037	18,457	16,672	79,891	79,269
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,996	1,907	2,156	1,941	+4.7	-11.5	+11.1	1,948	1,944	2,374	2,103	10,382	10,118
363	Household appliances	1,433	1,401	1,365	1,291	+2.3	+2.6	+5.7	1,466	1,418	1,455	1,279	6,950	6,974
365	Radio and TV	853	1,143	1,148	921	-25.4	-0.4	+24.6	1,016	846	1,034	992	4,735	4,517
366	Communication equipment	4,649	5,086	6,243	5,745	-8.6	-18.5	+8.7	4,522	4,654	7,164	6,117	27,984	30,316
367	Electronic components	2,991	3,145	3,518	3,071	-4.9	-10.6	+14.6	3,217	3,526	3,736	3,391	16,608	15,526
37	Transportation equipment	28,414	26,497	28,496	28,458	+7.2	-7.0	+0.1	26,976	28,526	32,517	29,122	146,473	129,153
372,6	Aircraft, missiles, and parts	10,116	7,169	8,238	8,720	+41.1	-13.0	-5.5	7,491	7,762	10,502	8,709	44,713	33,573
3731,95	Shipbuilding and military tank vehicles	680	377	3,062	239	+80.4	-87.7	+1181.2	432	397	2,983	459	4,247	2,699
38	Instruments and related products	4,759	4,539	4,394	4,606	+4.8	+3.3	-4.6	4,621	4,355	4,717	4,500	22,742	23,125
24,25, 39	All other durable goods	11,233	11,168	10,910	10,666	+0.6	+2.4	+2.3	11,623	11,731	11,704	10,644	55,272	51,626
	Nondurable goods industries	89,397	89,404	88,314	91,014	0.0	+1.2	-3.0	89,258	88,846	90,831	91,200	447,589	452,410
	With unfilled orders	21,962	21,901	21,660	22,063	+0.3	+1.1	-1.8	21,835	22,015	22,261	22,192	109,165	103,755
	Market categories:													
	Home goods and apparel	13,235	13,249	13,534	13,549	-0.1	-2.1	-0.1	13,026	12,868	14,308	13,924	66,154	64,160
	Consumer staples	36,872	35,946	35,858	35,916	+2.6	+0.2	-0.2	36,385	35,043	36,746	35,566	176,992	169,888
	Equipment and defense products, except automotive	30,514	29,456	32,463	29,968	+3.6	-9.3	+8.3	28,434	28,610	36,145	30,572	152,207	151,061
	Automotive equipment	18,585	19,835	18,132	20,512	-6.3	+9.4	-11.6	20,092	21,358	19,942	20,848	102,364	98,417
	Construction materials, supplies and intermediate products	18,606	18,635	17,399	17,869	-0.2	+7.1	-2.6	19,333	18,927	17,993	17,122	88,619	81,927
	Other materials, supplies, and intermediate products	75,223	76,030	75,610	80,745	-1.1	+0.6	-6.4	75,431	77,788	80,732	83,323	396,668	405,401
	Supplementary series:[2]													
	Capital goods industries	35,154	32,679	36,987	35,837	+7.6	-11.6	+3.2	32,045	32,417	41,652	36,701	175,410	168,355
	Nondefense	26,276	26,179	26,540	28,637	+0.4	-1.4	-7.3	25,760	25,657	29,225	28,316	131,735	131,179
	Defense	8,878	6,500	10,447	7,200	+36.6	-37.8	+45.1	6,285	6,760	12,427	8,385	43,675	37,176
	Household durable goods industries	6,513	6,641	6,824	6,639	-1.9	-2.7	+2.8	6,742	6,631	7,444	6,836	33,808	32,396

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1986p	Apr. 1986r	Mar. 1986	Feb. 1986	Apr.-Mayp	Mar.-Apr.r	Feb.-Mar.	May 1986p	Apr. 1986r	Mar. 1986	Feb. 1986	May 1985
	All manufacturing industries..	367,067	367,475	370,456	368,511	-0.1	-0.8	+0.5	371,434	374,866	377,718	372,392	359,545
	Durable goods industries.....	356,292	356,743	359,588	357,599	-0.1	-0.8	+0.6	360,422	363,870	366,777	361,493	349,353
32	Stone, clay, and glass products...	2,682	2,763	2,873	2,825	-2.9	-3.8	+1.7	2,791	2,824	2,920	2,850	2,586
33	Primary metals.....	19,097	20,111	20,608	20,679	-5.0	-2.4	-0.3	19,540	21,026	22,070	21,742	20,028
331	Blast furnaces, steel mills.....	8,876	9,495	9,700	9,516	-6.5	-2.1	+1.9	9,169	10,036	10,621	10,135	9,326
333-9	Nonferrous and other primary metals.....	6,301	6,745	7,212	7,511	-6.6	-6.5	-4.0	6,459	7,049	7,638	7,842	7,404
34	Fabricated metal products.....	19,652	19,756	19,656	20,248	-0.5	+0.5	-2.9	19,856	19,883	19,929	20,123	21,054
35	Machinery, except electrical.....	56,816	57,156	58,288	59,584	-0.6	-1.9	-2.2	57,446	57,719	58,646	59,950	62,579
351	Engines and turbines.....	14,967	15,051	15,026	15,329	-0.6	+0.2	-2.0	14,937	14,927	14,986	15,283	14,407
353	Construction, mining, and material handling equipment....	5,498	5,625	5,834	6,122	-2.3	-3.6	-4.7	5,542	5,670	5,933	6,201	5,943
354	Metalworking machinery.....	3,896	3,850	3,834	3,860	+1.2	+0.4	-0.7	3,841	3,785	3,773	3,829	4,172
356	General industrial machinery....	4,245	4,124	4,205	4,226	+2.9	-1.9	-0.5	4,287	4,173	4,243	4,272	4,594
357	Office and computing machines...	17,516	17,741	18,615	19,200	-1.3	-4.7	-3.0	18,041	18,078	18,578	19,200	22,212
36	Electrical machinery.....	82,758	83,536	83,608	82,729	-0.9	-0.1	+1.1	83,762	84,357	84,869	83,436	82,579
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,549	5,632	5,763	5,837	-1.5	-2.3	-1.3	5,598	5,722	5,826	5,872	6,299
363	Household appliances.....	353	328	332	352	+7.6	-1.2	-5.7	389	346	344	341	411
365	Radio and TV.....	498	592	470	365	-15.9	+26.0	+28.8	476	327	386	406	619
366	Communication equipment.....	59,179	59,611	59,602	58,836	-0.7	0.0	+1.3	59,661	60,275	60,809	59,520	56,154
367	Electronic components.....	15,612	15,862	15,990	15,904	-1.6	-0.8	+0.5	16,080	16,179	16,054	15,856	17,628
37	Transportation equipment.....	161,290	159,546	160,566	157,100	+1.1	-0.6	+2.2	162,638	163,944	164,371	159,387	145,650
372,6	Aircraft, missiles, and parts...	136,918	134,934	135,647	134,871	+1.5	-0.5	+0.6	138,171	138,774	138,808	136,301	119,656
3731,95	Shipbuilding and military tank vehicles.....	18,145	18,177	18,502	16,130	-0.2	-1.8	+14.7	18,412	18,697	18,973	16,710	19,391
38	Instruments and related products..	8,577	8,460	8,534	8,731	+1.4	-0.9	-2.3	8,566	8,508	8,599	8,714	8,550
24,25, 39	All other durable goods.....	5,420	5,415	5,455	5,703	+0.1	-0.7	-4.3	5,823	5,609	5,373	5,291	6,327
	Nondurable goods industries.....	10,775	10,732	10,868	10,912	+0.4	-1.3	-0.4	11,012	10,996	10,941	10,899	10,192
	Market categories:												
	Home goods and apparel.....	4,388	4,572	4,685	4,679	-4.0	-2.4	+0.1	4,837	4,590	4,538	4,299	4,930
	Consumer staples.....	823	875	849	756	-5.9	+3.1	+12.3	766	852	858	798	647
	Equipment and defense products, except automotive.....	231,287	230,543	231,471	229,420	+0.3	-0.4	+0.9	233,679	234,927	236,149	232,565	225,127
	Automotive equipment.....	5,652	5,871	5,935	5,625	-3.7	-1.1	+5.5	5,471	5,894	6,089	5,912	5,921
	Construction materials, supplies and intermediate products.....	12,042	11,958	12,088	12,658	+0.7	-1.1	-4.5	12,282	12,125	12,280	12,495	12,665
	Other materials, supplies, and intermediate products.....	112,875	113,656	115,428	115,373	-0.7	-1.5	0.0	114,399	116,478	117,804	116,323	110,255
	Supplementary series:[2]												
	Capital goods industries.....	280,851	279,860	281,869	279,265	+0.4	-0.7	+0.9	283,534	285,486	287,117	282,292	268,702
	Nondefense.....	132,526	132,892	134,068	134,832	-0.3	-0.9	-0.6	133,084	133,779	134,852	134,991	132,819
	Defense.....	148,325	146,968	147,801	144,433	+0.9	-0.6	+2.3	150,450	151,707	152,265	147,301	135,883
	Household durable goods industries.....	3,834	4,025	4,073	4,087	-4.7	-1.2	-0.3	4,227	4,016	3,971	3,773	4,412

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1986p	Apr. 1986r	Mar. 1986	Feb. 1986	Apr.–May p	Mar.–Apr. r	Feb.–Mar.	May 1986p	Apr. 1986r	Mar. 1986	Feb. 1986	May 1985
	All manufacturing industries..	278,432	279,358	279,571	279,236	-0.3	-0.1	+0.1	280,929	281,358	280,348	280,374	287,400
	Manufacturing industries with unfilled orders.....	195,283	195,686	196,009	195,294	-0.2	-0.2	+0.4	197,751	197,215	196,384	195,408	202,110
	Durable goods industries.....	187,544	188,031	188,333	187,644	-0.3	-0.2	+0.4	189,663	189,491	189,131	188,382	193,692
	With unfilled orders.....	171,923	172,285	172,570	171,908	-0.2	-0.2	+0.4	173,893	173,488	172,931	172,097	177,991
32	Stone, clay, and glass products...	5,555	5,551	5,576	5,546	+0.1	-0.4	+0.5	5,719	5,706	5,706	5,687	6,052
322	Glass containers.....	638	635	661	646	+0.5	-3.9	+2.3	657	651	665	653	629
33	Primary metals.....	16,933	17,036	17,220	17,281	-0.6	-1.1	-0.4	17,086	17,125	17,171	17,342	19,250
331	Blast furnaces, steel mills.....	7,506	7,486	7,578	7,615	+0.3	-1.2	-0.5	7,468	7,344	7,358	7,524	8,576
333-9	Nonferrous and other primary metals.....	8,175	8,273	8,321	8,338	-1.2	-0.6	-0.2	8,322	8,455	8,454	8,471	9,355
34	Fabricated metal products.....	18,898	19,072	18,926	18,885	-0.9	+0.8	+0.2	19,288	19,401	19,177	19,040	19,205
341	Metal cans, barrels, and drums..	2,144	2,210	2,213	2,116	-3.0	-0.1	+4.6	2,412	2,473	2,408	2,249	2,577
35	Machinery, except electrical.....	38,126	38,409	39,017	39,285	-0.7	-1.6	-0.7	38,606	38,641	38,959	39,329	41,806
351	Engines and turbines.....	1,941	1,936	1,965	1,877	+0.3	-1.5	+4.7	1,962	1,957	1,954	1,903	2,195
352	Farm machinery and equipment....	1,758	1,763	1,867	1,882	-0.3	-5.6	-0.8	1,788	1,809	1,908	1,953	1,815
353	Construction, mining, and material handling equipment....	5,850	5,888	6,099	6,235	-0.6	-3.5	-2.2	5,967	5,970	6,136	6,235	6,798
354	Metalworking machinery.....	2,811	2,737	2,874	2,936	+2.7	-4.8	-2.1	2,836	2,729	2,842	2,921	2,757
356	General industrial machinery....	3,245	3,294	3,366	3,366	-1.5	-2.1	0.0	3,290	3,330	3,373	3,386	3,555
357	Office and computing machines...	11,607	11,844	11,964	12,034	-2.0	-1.0	-0.6	11,723	11,785	11,773	11,902	13,039
36	Electrical machinery.....	33,994	33,830	33,544	33,452	+0.5	+0.9	+0.3	34,553	34,189	33,593	33,285	34,527
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,195	4,219	4,253	4,204	-0.6	-0.8	+1.2	4,264	4,243	4,215	4,173	4,662
363	Household appliances.....	2,314	2,316	2,308	2,279	-0.1	+0.3	+1.3	2,508	2,473	2,389	2,302	2,665
365	Radio and TV.....	1,577	1,540	1,429	1,365	+2.4	+7.8	+4.7	1,612	1,531	1,372	1,312	1,448
366	Communication equipment.....	15,005	14,859	14,641	14,680	+1.0	+1.5	-0.3	15,119	14,948	14,740	14,647	14,238
367	Electronic components.....	5,967	5,958	5,919	5,945	+0.2	+0.7	-0.4	5,991	5,982	5,913	5,927	6,589
37	Transportation equipment.....	50,123	50,030	49,896	48,931	+0.2	+0.3	+2.0	50,230	50,156	50,296	49,373	48,086
371	Motor vehicles and parts.....	11,209	11,279	11,264	11,355	-0.6	+0.1	-0.8	11,083	11,249	11,372	11,581	10,855
372,6	Aircraft, missiles, and parts...	35,651	35,488	35,365	34,443	+0.5	+0.3	+2.7	35,950	35,681	35,623	34,554	34,201
3731,95	Shipbuilding and military tank vehicles.....	1,599	1,624	1,605	1,510	-1.5	+1.2	+6.3	1,597	1,622	1,608	1,525	1,376
38	Instruments and related products..	9,543	9,463	9,533	9,535	+0.8	-0.7	0.0	9,706	9,587	9,508	9,459	9,847
381-4	Scientific and engineering instruments.....	6,700	6,619	6,701	6,718	+1.2	-1.2	-0.3	6,787	6,718	6,701	6,678	7,042
386	Photographic goods.....	2,217	2,222	2,219	2,203	-0.2	+0.1	+0.7	2,277	2,235	2,195	2,179	2,159
24,25, 39	All other durable goods.....	14,372	14,640	14,621	14,729	-1.8	+0.1	-0.7	14,475	14,686	14,721	14,867	14,919
	Nondurable goods industries.....	90,888	91,327	91,238	91,592	-0.5	+0.1	-0.4	91,266	91,867	91,217	91,992	93,708
	With unfilled orders.....	23,360	23,401	23,439	23,386	-0.2	-0.2	+0.2	23,858	23,727	23,453	23,311	24,119
20	Food and kindred products.....	21,077	21,232	20,948	20,998	-0.7	+1.4	-0.2	20,264	20,670	20,615	21,192	20,663
201	Meat products.....	2,088	2,087	2,135	2,216	0.0	-2.2	-3.7	2,178	2,216	2,191	2,285	2,283
208	Beverages.....	3,409	3,417	3,362	3,405	-0.2	+1.6	-1.3	3,484	3,516	3,463	3,511	3,530
207	Fats and oils.....	969	1,005	1,056	1,052	-3.6	-4.8	+0.4	920	989	1,084	1,156	1,083
203-6,9	All other foods.....	12,897	12,982	12,701	12,627	-0.7	+2.2	+0.6	11,917	12,177	12,193	12,564	11,962
21	Tobacco products.....	3,182	3,223	3,267	3,316	-1.3	-1.3	-1.5	3,106	3,275	3,345	3,462	3,344
22	Textile mill products.....	6,659	6,622	6,609	6.554	+0.6	+0.2	+0.8	6,859	6,744	6,712	6,654	6,948
26	Paper and allied products.....	9,774	9,763	9,781	9,725	+0.1	-0.2	+0.6	10,005	9,963	9,827	9,707	9,919
261-3,6	Pulp, paper etc.....	3,880	3,901	3,930	3,936	-0.5	-0.7	-0.2	3,949	3,945	3,940	3,929	3,789
265	Paperboard containers.....	2,252	2,280	2,343	2,348	-1.2	-2.7	-0.2	2,297	2,323	2,343	2,315	2,528
264	All other paper products.....	3,642	3,582	3,508	3,441	+1.7	+2.1	+1.9	3,759	3,695	3,544	3,463	3,602
28	Chemicals and allied products.....	21,507	21,631	21,554	21,434	-0.6	+0.4	+0.6	21,686	21,960	21,787	21,707	21,682
281,6	Industrial chemicals, except pigments.....	6,525	6,554	6,544	6,632	-0.4	+0.2	-1.3	6,590	6,626	6,564	6,645	6,667
283,4	Drugs, soaps, and toiletries....	7,038	7,089	6,940	6,837	-0.7	+2.1	+1.5	7,221	7,210	6,933	6,823	7,032
29	Petroleum and coal products.....	6,308	6,265	6,436	6,916	+0.7	-2.7	-6.9	6,217	6,214	6,293	6,866	8,066
30	Rubber and plastics products.....	6,349	6,322	6,449	6,478	+0.4	-2.0	-0.4	6,532	6,593	6,602	6,491	6,239
23,27, 31	All other nondurable goods.....	16,032	16,269	16,194	16,171	-1.5	+0.5	+0.1	16,597	16,448	16,036	15,913	16,847
	Market categories:												
	Home goods and apparel.....	22,137	22,504	22,197	21,936	-1.6	+1.4	+1.2	23,064	22,827	22,116	21,807	23,280
	Consumer staples.....	34,076	34,292	33,798	33,885	-0.6	+1.5	-0.3	33,452	33,965	33,553	34,072	33,615
	Equipment and defense products, except automotive.....	83,344	83,160	83,514	83,634	+0.2	-0.4	-0.1	84,199	83,783	83,883	83,759	86,453
	Automotive equipment.....	13,505	13,533	13,557	13,631	-0.2	-0.2	-0.5	13,380	13,531	13,769	13,982	13,339
	Construction materials, supplies and intermediate products.....	18,906	19,075	18,939	19,007	-0.9	+0.7	-0.4	19,099	19,316	19,272	19,279	19,547
	Other materials, supplies, and intermediate products.....	106,464	106,794	107,566	107,143	-0.3	-0.7	+0.4	107,735	107,936	107,755	107,475	111,166
	Supplementary series:[2]												
	Capital goods industries.....	97,062	96,928	97,253	96,493	+0.1	-0.3	+0.8	98,186	97,555	97,459	96,485	98,560
	Nondefense.....	69,304	69,363	70,173	70,239	-0.1	-1.2	-0.1	69,955	69,811	70,041	70,223	74,185
	Defense.....	27,758	27,565	27,080	26,254	+0.7	+1.8	+3.1	28,231	27,744	27,418	26,262	24,375
	Household durable goods industries.....	11,188	11,351	11,098	10,979	-1.4	+2.3	+1.1	11,553	11,521	11,089	10,968	11,863

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		May 1986[p]	Apr. 1986[r]	Mar. 1986[r]	Feb. 1986[r]	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.[r]	May 1986[p]	Apr. 1986[r]	Mar. 1986[r]	Feb. 1986[r]	May 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,317	86,942	86,798	87,383	-0.7	+0.2	-0.7	86,502	87,205	87,047	87,841	91,008
	Durable goods industries.....	51,390	51,864	51,688	51,921	-0.9	+0.3	-0.4	51,353	51,679	51,497	52,006	54,646
32	Stone, clay, and glass products...	1,773	1,759	1,721	1,746	+0.8	+2.2	-1.4	1,764	1,759	1,723	1,747	1,860
33	Primary metals.....	4,788	4,835	4,776	4,950	-1.0	+1.2	-3.5	4,671	4,677	4,680	4,951	5,607
34	Fabricated metal products.....	7,119	7,110	7,159	7,192	+0.1	-0.7	-0.5	7,163	7,172	7,230	7,212	7,229
35	Machinery, except electrical.....	10,283	10,506	10,427	10,785	-2.1	+0.8	-3.3	10,390	10,554	10,374	10,800	11,837
36	Electrical Machinery.....	7,902	7,825	7,911	7,789	+1.0	-1.1	+1.6	7,947	7,905	7,838	7,748	8,600
37	Transportation equipment.....	11,475	11,682	11,552	11,313	-1.8	+1.1	+2.1	11,520	11,637	11,624	11,419	11,295
38	Instruments and related products..	2,685	2,663	2,669	2,656	+0.8	-0.2	+0.5	2,688	2,673	2,663	2,625	2,773
24,25, 39	All other durable goods.....	5,365	5,484	5,473	5,490	-2.2	+0.2	-0.3	5,210	5,302	5,365	5,504	5,445
	Nondurable goods industries.....	34,927	35,078	35,110	35,462	-0.4	-0.1	-1.0	35,149	35,526	35,550	35,835	36,362
20	Food and kindred products.....	7,506	7,522	7,297	7,324	-0.2	+3.1	-0.4	7,458	7,635	7,492	7,583	7,483
21	Tobacco products.....	2,657	2,646	2,760	2,740	+0.4	-4.1	+0.7	2,625	2,732	2,834	2,888	2,891
22	Textile mill products.....	2,052	2,123	2,094	2,073	-3.3	+1.4	+1.0	2,120	2,159	2,145	2,091	2,158
26	Paper and allied products.....	4,862	4,841	4,912	4,882	+0.4	-1.4	+0.6	4,864	4,879	4,921	4,854	4,814
28	Chemicals and allied products.....	7,883	7,738	7,727	7,926	+1.9	+0.1	-2.5	7,956	7,808	7,813	7,963	8,234
29	Petroleum and coal products.....	1,645	1,849	1,884	2,088	-11.0	-1.9	-9.8	1,753	1,903	1,883	2,044	2,116
30	Rubber and plastics products.....	2,266	2,271	2,352	2,301	-0.2	-3.4	+2.2	2,286	2,309	2,342	2,271	2,067
23,27, 31	All other nondurable goods.....	6,056	6,088	6,084	6,128	-0.5	+0.1	-0.7	6,087	6,101	6,120	6,141	6,599
	WORK IN PROCESS												
	All manufacturing industries..	104,402	104,615	105,157	104,323	-0.2	-0.5	+0.8	105,280	105,386	105,565	104,589	104,861
	Durable goods industries.....	90,654	90,825	91,236	90,125	-0.2	-0.5	+1.2	91,399	91,465	91,696	90,458	90,373
32	Stone, clay, and glass products...	730	737	768	751	-0.9	-4.0	+2.3	758	769	806	791	821
33	Primary metals.....	6,981	7,026	7,282	7,043	-0.6	-3.5	+3.4	7,062	7,070	7,216	7,065	7,797
34	Fabricated metal products.....	6,905	7,001	6,832	6,842	-1.4	+2.5	-0.1	7,085	7,140	6,948	6,867	6,879
35	Machinery, except electrical.....	15,417	15,800	16,087	16,109	-2.4	-1.8	-0.1	15,562	15,904	16,070	16,133	16,480
36	Electrical Machinery.....	19,843	19,759	19,556	19,568	+0.4	+1.0	-0.1	20,096	19,881	19,612	19,505	18,945
37	Transportation equipment.....	33,533	33,212	33,294	32,452	+1.0	-0.2	+2.6	33,529	33,351	33,601	32,724	31,578
38	Instruments and related products..	4,044	3,972	4,033	3,949	+1.8	-1.5	+2.1	4,087	4,024	4,049	3,944	4,206
24,25, 39	All other durable goods.....	3,201	3,318	3,384	3,411	-3.5	-2.0	-0.8	3,220	3,326	3,394	3,429	3,667
	Nondurable goods industries.....	13,748	13,790	13,921	14,198	-0.3	-0.9	-2.0	13,881	13,921	13,869	14,131	14,488
20	Food and kindred products.....	1,593	1,641	1,666	1,632	-2.9	-1.5	+2.1	1,591	1,643	1,692	1,683	1,652
21	Tobacco products.....	247	289	223	261	-14.5	+29.6	-14.6	193	224	208	258	183
22	Textile mill products.....	1,994	1,935	1,932	1,896	+3.0	+0.2	+1.9	2,006	1,952	1,950	1,933	1,965
26	Paper and allied products.....	1,116	1,116	1,122	1,117	0.0	-0.5	+0.4	1,131	1,114	1,110	1,104	1,156
28	Chemicals and allied products.....	3,397	3,410	3,377	3,369	-0.4	+1.0	+0.2	3,459	3,438	3,387	3,375	3,604
29	Petroleum and coal products.....	868	856	951	1,140	+1.4	-10.0	-16.6	900	895	946	1,092	1,332
30	Rubber and plastics products.....	1,205	1,165	1,221	1,263	+3.4	-4.6	-3.3	1,182	1,189	1,211	1,235	1,156
23,27, 31	All other nondurable goods.....	3,328	3,378	3,429	3,520	-1.5	-1.5	-2.6	3,419	3,466	3,365	3,451	3,440
	FINISHED GOODS												
	All manufacturing industries..	87,713	87,801	87,616	87,530	-0.1	+0.2	+0.1	89,147	88,767	87,736	87,944	91,531
	Durable goods industries.....	45,500	45,342	45,409	45,598	+0.3	-0.1	-0.4	46,911	46,347	45,938	45,918	48,673
32	Stone, clay, and glass products...	3,052	3,055	3,087	3,049	-0.1	-1.0	+1.2	3,197	3,178	3,177	3,149	3,371
33	Primary metals.....	5,164	5,175	5,162	5,288	-0.2	+0.3	-2.4	5,353	5,378	5,275	5,326	5,846
34	Fabricated metal products.....	4,874	4,961	4,935	4,851	-1.8	+0.5	+1.7	5,040	5,089	4,999	4,961	5,097
35	Machinery, except electrical.....	12,426	12,103	12,503	12,391	+2.7	-3.2	+0.9	12,654	12,183	12,515	12,396	13,489
36	Electrical Machinery.....	6,249	6,246	6,077	6,095	0.0	+2.8	-0.3	6,510	6,403	6,143	6,032	6,982
37	Transportation equipment.....	5,115	5,136	5,050	5,166	-0.4	+1.7	-2.2	5,181	5,168	5,071	5,230	5,213
38	Instruments and related products..	2,814	2,828	2,831	2,930	-0.5	-0.1	-3.4	2,931	2,890	2,796	2,890	2,868
24,25, 39	All other durable goods.....	5,806	5,838	5,764	5,828	-0.5	+1.3	-1.1	6,045	6,058	5,962	5,934	5,807
	Nondurable goods industries.....	42,213	42,459	42,207	41,932	-0.6	+0.6	+0.7	42,236	42,420	41,798	42,026	42,858
20	Food and kindred products.....	11,978	12,069	11,985	12,042	-0.8	+0.7	-0.5	11,215	11,392	11,431	11,926	11,528
21	Tobacco products.....	278	288	284	315	-3.5	+1.4	-9.8	288	319	303	316	270
22	Textile mill products.....	2,613	2,564	2,583	2,585	+1.9	-0.7	-0.1	2,733	2,633	2,617	2,630	2,825
26	Paper and allied products.....	3,796	3,806	3,747	3,726	-0.3	+1.6	+0.6	4,010	3,970	3,796	3,749	3,949
28	Chemicals and allied products.....	10,227	10,483	10,450	10,139	-2.4	+0.3	+3.1	10,271	10,714	10,587	10,369	9,844
29	Petroleum and coal products.....	3,795	3,560	3,601	3,688	+6.6	-1.1	-2.4	3,564	3,416	3,464	3,730	4,618
30	Rubber and plastics products.....	2,878	2,886	2,876	2,914	-0.3	+0.3	-1.3	3,064	3,095	3,049	2,985	3,016
23,27, 31	All other nondurable goods.....	6,648	6,803	6,681	6,523	-2.3	+1.8	+2.4	7,091	6,881	6,551	6,321	6,808

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		May 1986[p]	Apr. 1986[r]	Mar. 1986	Feb. 1986	May 1986[p]	Apr. 1986[r]	Mar. 1986	Feb. 1986
	All manufacturing industries	1.44	1.42	1.46	1.42	3.45	3.39	3.50	3.43
	Durable goods industries	1.80	1.76	1.83	1.78	4.22	4.14	4.27	4.17
32	Stone, clay, and glass products	1.12	1.09	1.17	1.13	0.59	0.59	0.66	0.63
33	Primary metals	1.71	1.68	1.75	1.70	1.93	1.99	2.10	2.04
34	Fabricated metal products	1.32	1.31	1.38	1.32	1.47	1.46	1.53	1.51
35	Machinery, except electrical	2.27	2.14	2.25	2.32	3.55	3.36	3.52	3.68
36	Electrical machinery	2.19	2.18	2.07	2.11	5.34	5.38	5.17	5.23
37	Transportation equipment	1.88	1.82	1.99	1.75	10.99	10.64	11.58	10.38
38	Instruments and related products	2.06	2.05	2.08	2.03	1.85	1.83	1.86	1.86
	Nondurable goods industries	1.02	1.02	1.03	1.01	0.49	0.49	0.50	0.50
20	Food and kindred products	0.82	0.84	0.85	0.84	(X)	(X)	(X)	(X)
21	Tobacco products	1.53	2.05	1.52	1.84	(X)	(X)	(X)	(X)
22	Textile mill products	1.54	1.48	1.54	1.47	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.09	1.16	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.25	1.18	1.26	1.18	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.51	0.51	0.50	0.50	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.57	1.57	1.64	1.62	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago May 1985	All Mays 1981-1985	May 1985-Apr. 1986	Year ago May 1985	All Mays 1981-1985	May 1985-Apr. 1986	Year ago May 1985	All Mays 1981-1985	May 1985-Apr. 1986	Year ago May 1985	All Mays 1981-1985	May 1985-Apr. 1986
	All manufacturing industries.	0.1	0.1	0.2	0.0	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.1
	Durable goods industries	0.1	0.1	0.3	0.1	0.2	0.4	0.1	0.1	0.1	0.0	0.1	0.1
32	Stone, clay, and glass products	0.0	0.3	1.2	0.0	0.5	1.2	0.2	0.5	0.9	0.0	0.5	0.3
33	Primary metals	0.6	0.5	0.8	0.4	0.8	1.0	0.6	0.4	0.5	0.3	0.2	0.2
34	Fabricated metal products	1.4	0.5	0.7	1.0	0.6	1.2	0.2	0.1	0.5	0.1	0.1	0.6
35	Machinery, except electrical	0.1	0.8	0.6	0.1	0.6	1.2	0.2	0.2	0.3	0.1	0.1	0.1
36	Electrical machinery	0.2	0.5	0.9	1.2	0.9	1.6	0.0	0.1	0.2	0.1	0.1	0.2
37	Transportation equipment	0.4	0.2	0.3	0.3	2.3	1.3	0.0	0.2	0.2	0.1	0.1	0.1
38	Instruments and related products.	0.6	1.0	1.0	1.3	1.8	1.4	0.5	0.9	0.5	0.0	0.4	0.4
	Nondurable goods industries	0.1	0.3	0.3	0.0	0.2	0.4	0.5	0.4	0.5	0.1	0.2	0.2
20	Food and kindred products	0.3	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.7	0.3
21	Tobacco products	0.0	1.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	0.7	0.4	1.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.0	0.3	1.0
26	Paper and allied products	0.2	0.5	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.2
28	Chemicals and allied product	0.8	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.4
29	Petroleum and coal products	0.2	0.8	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.3	1.5	0.8
30	Rubber and plastics products	1.7	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.6	0.7
	Capital Goods Industries:												
	Nondefense	0.1	0.6	0.7	0.3	1.2	0.8	0.1	0.2	0.1	0.0	0.1	0.1
	Defense	1.9	1.0	0.8	0.4	1.1	3.1	0.0	0.1	0.2	0.0	0.1	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

NOV 26 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

JUNE 1986
M3-1(86)-6
For Wire Transmission 10:00 a.m. E.D.T. Thursday, July 31, 1986

(All Figures in text are in seasonally adjusted current dollars)

158;
13-1 (86)-6

UMMARY. New orders for manufactured goods in June declined 0.6 billion or 0.3 percent to $191.5 billion. New orders ave been declining since the high in December of $201.2 illion, except for a 0.1 percent increase in April. urable goods orders in June were revised down to a 0.1 ercent increase from the earlier reported 2.1 percent ncrease; the revision was primarily in defense orders. xcluding defense, durable goods orders were up 1.3 percent s compared to a 1.0 percent increase in the earlier report. rders for nondurable goods in June declined $0.6 billion or .7 percent to $88.9 billion.

Shipments of manufactured goods in June showed no hange from May at $193.1 billion. An increase in durable oods of $0.5 billion or 0.5 percent to $104.2 billion was ffset by a decline in nondurables of $0.5 billion or 0.6 ercent to $88.9 billion. Unfilled orders held by anufacturers at the end of June were $364.9 billion, down 1.6 billion or 0.4 percent from May. Nearly all unfilled rders are for durable goods, which were also down 0.4 ercent to $354.2 billion.

Manufacturers' inventories in June were unchanged from ay at $278.3 billion, maintaining the inventories to hipments ratio the same as May at 1.44. By stage of abrication, increases in materials and supplies of 0.4 ercent and work in process of 0.5 percent were offset by a ecline in finished goods of 1.1 percent. The finished oods decline was mostly in nonelectrical machinery.

EW ORDERS. Durable goods orders in June showed little hange from May although there were large offsetting ovements, mostly in electrical machinery and transportation quipment. Electrical machinery orders increased $3.3 illion or 22.7 percent to $18.0 billion, following declines in May of 5.3 percent and April of 9.4 percent. ransportation equipment orders declined $4.4 billion or 5.9 percent to $23.5 billion; the aircraft and parts ndustry declined $4.7 billion or 47.0 percent to $5.3 illion, more than offsetting the 39.8 percent increase in ay.

The decrease in new orders for nondurable goods of 0.7 ercent was caused by a large decline in petroleum products, here orders are equal to shipments for the month. There ere partially offsetting increases in several other ndustries.

SHIPMENTS. The increase in durable goods shipments resulted from increases in the machinery industries. Electrical machinery increased $0.8 billion or 5.2 percent to $16.3 billion and nonelectrical increased $0.7 billion or 4.4 percent to $17.5 billion. Shipments of transportation equipment were down $0.8 billion or 3.1 percent to $25.8 billion, as the motor vehicle industry declined $0.5 billion or 3.2 percent to $16.4 billion. Primary metals declined $0.4 billion or 3.9 percent to $9.5 billion.

Nondurable goods shipments were down 0.6 percent with the specific industries showing a mixed pattern of change. Petroleum products declined $1.4 billion or 10.9 percent to $11.3 billion. This is the sixth decline in the last seven months since reaching a recent high in November 1985 of $17.0 billion. Chemical products also declined, down $0.2 billion or 1.3 percent to $17.1 billion, and foods were down $0.3 billion or 1.2 percent to $25.5 billion. Partially offsetting these declines were increases in textiles, apparel, paper, and printing and publishing.

UNFILLED ORDERS. Unfilled orders were down 0.4 percent with declines in transportation equipment of $2.3 billion or 1.4 percent to $158.6 billion and nonelectrical machinery of $0.6 billion or 1.0 percent to $56.2 billion. The largest increase in unfilled orders was in electrical machinery, up $1.6 billion or 2.0 percent to $84.3 billion. Most of the decline in transportation was in aircraft and parts with most of the increase in electrical machinery in communication equipment.

INVENTORIES. Inventories in June at $278.3 billion were about the same as May. Inventories have been generally declining since March 1985 when they were estimated at $286.2 billion. In June, the individual durable goods industries showed a mix of increases and decreases of about 2.0 percent or less. Nondurable goods industries showed a similar pattern, except tobacco and leather products which had slightly larger declines.

SCHEDULED RELEASE DATES. The advance report on durable goods for July is scheduled for release on August 22, 1986 at 8:30 a.m. and the full report on September 2, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1986P	May 1986r	Apr. 1986	Mar. 1986	May-JuneP	Apr.-Mayr	Mar.-Apr.	June 1986P	May 1986r	Apr. 1986	Mar. 1986	1986P	1985
	All manufacturing industries	193,121	193,068	196,132	191,051	0.0	-1.6	+2.7	206,393	195,769	197,446	200,540	1,178,959	1,171,304
	Manufacturing industries with unfilled orders	108,174	105,976	108,249	105,851	+2.1	-2.1	+2.3	115,641	107,157	108,627	111,740	647,561	632,757
	Durable goods industries	104,218	103,672	106,592	102,693	+0.5	-2.7	+3.8	113,724	106,469	108,655	109,751	639,186	624,130
	With unfilled orders	85,292	84,162	86,212	84,147	+1.3	-2.4	+2.5	92,382	85,437	86,667	89,521	515,779	507,856
32	Stone, clay, and glass products	4,889	4,942	5,108	4,784	-1.1	-3.2	+6.8	5,381	5,108	5,171	4,841	29,473	28,340
322	Glass containers	414	412	457	401	+0.5	-9.8	+14.0	462	431	465	432	2,585	2,402
33	Primary metals	9,472	9,852	10,122	9,833	-3.9	-2.7	+2.9	10,158	10,262	10,621	10,691	62,056	65,225
331	Blast furnaces, steel mills	3,891	4,066	4,123	3,926	-4.3	-1.4	+5.0	4,222	4,180	4,342	4,299	25,565	27,342
333-9	Nonferrous and other primary metals	4,410	4,651	4,730	4,762	-5.2	-1.7	-0.7	4,639	4,828	4,929	5,153	28,910	30,288
34	Fabricated metal products	14,125	14,145	14,553	13,733	-0.1	-2.8	+6.0	15,274	14,552	14,754	14,362	85,835	82,221
341	Metal cans, barrels, and drums	963	988	981	846	-2.5	+0.7	+16.0	1,091	1,024	962	840	5,548	5,647
35	Machinery, except electrical	17,521	16,784	17,932	17,377	+4.4	-6.4	+3.2	19,337	16,903	17,666	18,846	104,647	107,608
351	Engines and turbines	1,238	1,199	1,228	1,398	+3.3	-2.4	-12.2	1,374	1,229	1,275	1,598	7,768	7,739
352	Farm machinery and equipment	824	807	943	835	+2.1	-14.4	+12.9	906	911	1,055	980	5,465	5,499
353	Construction, mining, and material handling equipment	2,755	2,882	3,179	3,066	-4.4	-9.3	+3.7	3,011	2,960	3,122	3,066	17,867	16,773
354	Metalworking machinery	906	838	838	903	+8.1	0.0	-7.2	951	817	825	992	5,219	5,099
356	General industrial machinery	1,501	1,396	1,673	1,414	+7.5	-16.6	+18.3	1,548	1,416	1,608	1,471	8,911	8,423
357	Office and computing machines	4,574	3,940	4,010	4,099	+16.1	-1.7	-2.2	5,169	3,633	3,513	4,554	22,858	27,137
36	Electrical machinery	16,334	15,520	15,539	16,187	+5.2	-0.1	-4.0	17,560	15,504	15,549	17,024	95,138	91,449
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,124	2,078	2,038	2,230	+2.2	+2.0	-8.6	2,285	2,071	2,048	2,420	12,809	12,329
363	Household appliances	1,495	1,407	1,405	1,385	+6.3	+0.1	+1.4	1,643	1,422	1,416	1,452	8,560	8,568
365	Radio and TV	1,037	957	1,021	1,043	+8.4	-6.3	-2.1	1,203	877	905	1,054	5,910	5,311
366	Communication equipment	5,502	5,068	5,077	5,477	+8.6	-0.2	-7.3	5,944	5,123	5,188	5,875	31,787	30,388
367	Electronic components	3,233	3,253	3,273	3,432	-0.6	-0.6	-4.6	3,430	3,328	3,401	3,538	19,940	20,311
37	Transportation equipment	25,785	26,610	27,517	25,030	-3.1	-3.3	+9.9	28,910	28,219	28,953	27,533	167,857	159,332
371	Motor vehicles and parts	16,449	16,992	18,080	16,112	-3.2	-6.0	+12.2	18,823	18,574	19,478	17,879	111,825	106,506
372,6	Aircraft, missiles, and parts	7,839	8,106	7,882	7,462	-3.3	+2.8	+5.6	8,517	8,069	7,796	7,995	46,566	42,460
3731,95	Shipbuilding and military tank vehicles	690	716	702	690	-3.6	+2.0	+1.7	717	721	673	720	4,143	5,060
38	Instruments and related products	4,677	4,648	4,613	4,591	+0.6	+0.8	+0.5	5,021	4,569	4,446	4,832	27,807	28,141
381-4	Scientific and engineering instruments	3,087	3,090	3,058	2,960	-0.1	+1.0	+3.3	3,272	3,019	2,957	3,182	18,415	18,624
386	Photographic goods	1,425	1,388	1,378	1,467	+2.7	+0.7	-6.1	1,572	1,374	1,306	1,468	8,328	8,356
24,25, 39	All other durable goods	11,415	11,171	11,208	11,158	+2.2	-0.3	+0.4	12,083	11,352	11,495	11,622	66,373	61,814
	Nondurable goods industries	88,903	89,396	89,540	88,358	-0.6	-0.2	+1.3	92,669	89,300	88,791	90,789	539,773	547,174
	With unfilled orders	22,882	21,814	22,037	21,704	+4.9	-1.0	+1.5	23,259	21,720	21,960	22,219	131,782	124,901
20	Food and kindred products	25,492	25,791	25,279	24,764	-1.2	+2.0	+2.1	26,697	25,708	24,635	25,646	151,366	148,011
201	Meat products	5,680	5,402	5,578	5,435	+5.1	-3.2	+2.6	5,799	5,478	5,377	5,359	32,672	33,807
208	Beverages	3,858	4,091	4,005	3,925	-5.7	+2.1	+2.0	4,437	4,381	4,189	3,898	23,946	22,423
207	Fats and oils	1,029	1,134	1,038	1,044	-9.3	+9.2	-0.6	1,044	1,122	994	1,069	6,436	7,038
203-6,9	All other foods	11,703	11,832	11,462	11,122	-1.1	+3.2	+3.1	12,031	11,335	10,889	12,056	68,844	65,258
21	Tobacco products	2,149	2,057	1,570	2,155	+4.5	+31.0	-27.1	2,355	1,985	1,542	2,069	10,568	9,943
22	Textile mill products	4,449	4,255	4,487	4,299	+4.6	-5.2	+4.4	4,869	4,328	4,454	4,708	26,761	25,927
26	Paper and allied products	9,140	8,853	8,917	8,462	+3.2	-0.7	+5.4	9,547	8,886	8,989	8,819	53,569	49,408
261-3,6	Pulp, paper etc	3,847	3,686	3,745	3,587	+4.4	-1.6	+4.4	4,046	3,771	3,821	3,770	22,633	21,295
265	Paperboard containers	1,781	1,808	1,837	1,730	-1.5	-1.6	+6.2	1,856	1,808	1,843	1,806	10,914	11,173
264	All other paper products	3,512	3,359	3,335	3,145	+4.6	+0.7	+6.0	3,645	3,307	3,325	3,243	20,022	16,940
28	Chemicals and allied products	17,056	17,273	18,363	17,068	-1.3	-5.9	+7.6	18,198	17,912	19,016	18,565	109,590	110,248
281,6	Industrial chemicals, except pigments	5,737	5,680	5,876	5,708	+1.0	-3.3	+2.9	6,081	5,771	6,111	6,187	35,923	36,552
283,4	Drugs, soaps, and toiletries	5,103	5,064	5,105	4,767	+0.8	-0.8	+7.1	5,450	4,791	4,722	5,063	30,251	27,468
29	Petroleum and coal products	11,257	12,629	12,344	12,798	-10.9	+2.3	-3.5	11,621	12,573	12,029	12,320	77,842	95,458
30	Rubber and plastics products	4,013	4,044	4,016	3,921	-0.8	+0.7	+2.4	4,327	4,036	4,078	3,926	24,074	24,572
23,27, 31	All other nondurable goods	15,347	14,494	14,564	14,891	+5.9	-0.5	-2.2	15,055	13,872	14,048	14,736	86,003	83,607
	Market categories:													
	Home goods and apparel	14,005	13,208	13,362	13,528	+6.0	-1.2	-1.2	14,535	12,586	12,816	14,069	79,277	76,725
	Consumer staples	37,141	36,956	35,920	35,765	+0.5	+2.9	+0.4	38,819	36,507	35,049	36,686	215,814	206,264
	Equipment and defense products, except automotive	30,720	29,679	30,384	30,412	+3.5	-2.3	-0.1	33,409	29,597	29,832	32,561	180,112	179,706
	Automotive equipment	18,275	18,744	19,899	17,822	-2.5	-5.8	+11.7	20,820	20,449	21,553	19,765	123,201	118,572
	Construction materials, supplies and intermediate products	18,139	18,286	18,765	17,969	-0.8	-2.6	+4.4	19,845	18,937	19,082	18,208	107,919	100,615
	Other materials, supplies, and intermediate products	74,841	76,195	77,802	75,555	-1.8	-2.1	+3.0	78,965	77,693	79,114	79,251	472,636	489,422
	Supplementary series:[2]													
	Capital goods industries	35,151	34,068	34,688	34,383	+3.2	-1.8	+0.9	38,190	33,908	34,048	36,827	205,517	201,261
	Nondefense	27,252	26,582	27,355	27,304	+2.5	-2.8	+0.2	29,932	26,401	26,730	29,364	161,231	161,406
	Defense	7,899	7,486	7,333	7,079	+5.5	+2.1	+3.6	8,258	7,507	7,318	7,463	44,286	39,855
	Household durable goods industries	7,148	6,711	6,689	6,838	+6.5	+0.3	-2.2	7,527	6,539	6,586	7,246	40,296	38,373

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1986p	May 1986r	Apr. 1986	Mar. 1986	May-Junep	Apr.-Mayr	Mar.-Apr.	June 1986p	May 1986r	Apr. 1986	Mar. 1986	1986p	1985
	All manufacturing industries	191,536	192,122	193,151	192,996	-0.3	-0.5	+0.1	201,328	191,789	194,594	205,866	1,183,420	1,178,966
	Manufacturing industries with unfilled orders	106,589	105,030	105,268	107,796	+1.5	-0.2	-2.3	110,576	103,177	105,775	117,066	652,022	640,418
	Durable goods industries	102,677	102,624	103,747	104,682	+0.1	-1.1	-0.9	108,895	102,415	105,748	115,035	643,282	631,412
	With unfilled orders	83,751	83,114	83,367	86,136	+0.8	-0.3	-3.2	87,553	81,383	83,760	94,805	519,875	515,138
2	Stone, clay, and glass products	4,910	4,840	4,998	4,832	+1.4	-3.2	+3.4	5,364	5,053	5,075	4,911	29,592	28,514
3	Primary metals	9,328	8,831	9,625	9,762	+5.6	-8.2	-1.4	9,393	8,768	9,577	11,019	61,693	66,373
31	Blast furnaces, steel mills	3,820	3,443	3,918	4,110	+10.9	-12.1	-4.7	3,708	3,309	3,757	4,785	25,310	27,782
33-9	Nonferrous and other primary metals	4,327	4,202	4,263	4,463	+3.0	-1.4	-4.5	4,449	4,232	4,340	4,949	28,427	30,760
4	Fabricated metal products	13,990	14,024	14,653	13,141	-0.2	-4.3	+11.5	15,267	14,507	14,708	14,168	85,709	81,803
5	Machinery, except electrical	16,940	16,441	16,800	16,081	+3.0	-2.1	+4.5	18,443	16,629	16,739	17,542	102,145	108,769
51	Engines and turbines	1,188	1,115	1,253	1,095	+6.5	-11.0	+14.4	1,134	1,239	1,216	1,301	7,438	6,944
53	Construction, mining, and material handling equipment	2,525	2,751	2,970	2,778	-8.2	-7.4	+6.9	2,737	2,828	2,859	2,798	16,814	16,796
54	Metalworking machinery	740	872	854	877	-15.1	+2.1	-2.6	824	862	837	936	5,044	5,754
56	General industrial machinery	1,566	1,509	1,592	1,393	+3.8	-5.2	+14.3	1,575	1,522	1,538	1,442	8,974	8,381
57	Office and computing machines	4,463	3,739	3,136	3,514	+19.4	+19.2	-10.8	5,194	3,621	3,013	3,932	22,059	28,935
6	Electrical machinery	17,975	14,650	15,467	17,066	+22.7	-5.3	-9.4	18,297	14,816	15,037	18,457	98,103	95,771
61,2	Electrical transmission and distribution equipment and industrial apparatus	2,028	1,947	1,907	2,156	+4.2	+2.1	-11.5	2,126	1,899	1,944	2,374	12,459	12,164
63	Household appliances	1,515	1,414	1,401	1,365	+7.1	+0.9	+2.6	1,654	1,445	1,418	1,455	8,583	8,621
65	Radio and TV	943	844	1,143	1,148	+11.7	-26.2	-0.4	1,177	1,008	846	1,034	5,904	5,427
66	Communication equipment	7,014	4,630	5,086	6,243	+51.5	-9.0	-18.5	6,792	4,503	4,654	7,164	34,757	36,807
67	Electronic components	3,458	3,005	3,145	3,518	+15.1	-4.5	-10.6	3,425	3,231	3,526	3,736	20,047	18,269
7	Transportation equipment	23,496	27,933	26,497	28,496	-15.9	+5.4	-7.0	25,093	26,486	28,526	32,517	171,076	158,913
72,6	Aircraft, missiles, and parts	5,311	10,023	7,169	8,238	-47.0	+39.8	-13.0	5,069	7,398	7,762	10,502	49,689	43,984
731,95	Shipbuilding and military tank vehicles	964	325	377	3,062	+196.6	-13.8	-87.7	525	72	397	2,983	4,412	3,642
8	Instruments and related products	4,560	4,729	4,539	4,394	-3.6	+4.2	+3.3	4,999	4,591	4,355	4,717	27,711	28,443
4,25, 39	All other durable goods	11,478	11,176	11,168	10,910	+2.7	+0.1	+2.4	12,039	11,565	11,731	11,704	67,253	62,826
	Nondurable goods industries	88,859	89,498	89,404	88,314	-0.7	+0.1	+1.2	92,433	89,374	88,846	90,831	540,138	547,554
	With unfilled orders	22,838	21,916	21,901	21,660	+4.2	+0.1	+1.1	23,023	21,794	22,015	22,261	132,147	125,280
	Market categories:													
	Home goods and apparel	13,890	12,963	13,249	13,534	+7.2	-2.2	-2.1	14,332	12,767	12,868	14,308	80,227	77,821
	Consumer staples	37,078	36,918	35,946	35,858	+0.4	+2.7	+0.2	38,752	36,434	35,043	36,746	215,793	206,241
	Equipment and defense products, except automotive	30,666	29,954	29,456	32,463	+2.4	+1.7	-9.3	31,314	27,876	28,610	36,145	182,963	185,866
	Automotive equipment	18,260	18,530	19,835	18,132	-1.5	-6.6	+9.4	20,664	20,031	21,358	19,942	122,967	118,085
	Construction materials, supplies and intermediate products	18,187	18,326	18,635	17,399	-0.8	-1.7	+7.1	19,901	19,049	18,927	17,993	108,236	100,932
	Other materials, supplies, and intermediate products	73,455	75,431	76,030	75,610	-2.6	-0.8	+0.6	76,365	75,632	77,788	80,732	473,234	490,021
	Supplementary series:[2]													
	Capital goods industries	33,779	34,575	32,679	36,987	-2.3	+5.8	-11.6	34,486	31,468	32,417	41,652	209,319	208,451
	Nondefense	26,476	26,145	26,179	26,540	+1.3	-0.1	-1.4	28,729	25,637	25,657	29,225	160,341	161,476
	Defense	7,303	8,430	6,500	10,447	-13.4	+29.7	-37.8	5,757	5,831	6,760	12,427	48,978	46,975
	Household durable goods industries	7,070	6,471	6,641	6,824	+9.3	-2.6	-2.7	7,383	6,698	6,631	7,444	41,147	39,329

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories re as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen rticles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous per- nal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding usehold appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; air- aft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense ta are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1986p	May 1986r	Apr. 1986	Mar. 1986	May-Junep	Apr.-Mayr	Mar.-Apr.	June 1986p	May 1986r	Apr. 1986	Mar. 1986	June 1985
	All manufacturing industries..	364,944	366,529	367,475	370,456	-0.4	-0.3	-0.8	365,821	370,886	374,866	377,718	360,602
	Durable goods industries.....	354,154	355,695	356,743	359,588	-0.4	-0.3	-0.8	354,987	359,816	363,870	366,777	350,309
32	Stone, clay, and glass products...	2,682	2,661	2,763	2,873	+0.8	-3.7	-3.8	2,752	2,769	2,824	2,920	2,571
33	Primary metals.....	18,946	19,090	20,111	20,608	-0.8	-5.1	-2.4	18,767	19,532	21,026	22,070	19,652
331	Blast furnaces, steel mills.....	8,801	8,872	9,495	9,700	-0.8	-6.6	-2.1	8,651	9,165	10,036	10,621	8,842
333-9	Nonferrous and other primary metals.....	6,213	6,296	6,745	7,212	-1.3	-6.7	-6.5	6,263	6,453	7,049	7,638	7,588
34	Fabricated metal products.....	19,500	19,635	19,756	19,656	-0.7	-0.6	+0.5	19,831	19,838	19,883	19,929	20,763
35	Machinery, except electrical.....	56,232	56,813	57,156	58,288	-1.0	-0.6	-1.9	56,551	57,445	57,719	58,646	62,133
351	Engines and turbines.....	14,917	14,967	15,051	15,026	-0.3	-0.6	+0.2	14,697	14,937	14,927	14,986	14,367
353	Construction, mining, and material handling equipment....	5,264	5,494	5,625	5,834	-4.2	-2.3	-3.6	5,264	5,538	5,670	5,933	5,915
354	Metalworking machinery.....	3,718	3,884	3,850	3,834	-4.3	+0.9	+0.4	3,703	3,830	3,785	3,773	4,298
356	General industrial machinery....	4,302	4,237	4,124	4,205	+1.5	+2.7	-1.9	4,306	4,279	4,173	4,243	4,619
357	Office and computing machines...	17,429	17,540	17,741	18,615	-0.6	-1.1	-4.7	18,091	18,066	18,078	18,578	22,068
36	Electrical machinery.....	84,307	82,666	83,536	83,608	+2.0	-1.0	-0.1	84,406	83,669	84,357	84,869	82,237
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,405	5,501	5,632	5,763	-1.7	-2.3	-2.3	5,391	5,550	5,722	5,826	6,017
363	Household appliances.....	355	335	328	332	+6.0	+2.1	-1.2	380	369	346	344	416
365	Radio and TV.....	385	479	592	470	-19.6	-19.1	+26.0	432	458	327	386	551
366	Communication equipment.....	60,685	59,173	59,611	59,602	+2.6	-0.7	0.0	60,503	59,655	60,275	60,809	56,988
367	Electronic components.....	15,839	15,614	15,862	15,990	+1.4	-1.6	-0.8	16,077	16,082	16,179	16,054	16,854
37	Transportation equipment.....	158,580	160,869	159,546	160,566	-1.4	+0.8	-0.6	158,394	162,211	163,944	164,371	148,142
372,6	Aircraft, missiles, and parts...	134,323	136,851	134,934	135,647	-1.8	+1.4	-0.5	134,655	138,103	138,774	138,808	122,061
3731,95	Shipbuilding and military tank vehicles.....	18,060	17,786	18,177	18,502	+1.5	-2.2	-1.8	17,856	18,048	18,697	18,973	19,439
38	Instruments and related products..	8,424	8,541	8,460	8,534	-1.4	+1.0	-0.9	8,508	8,530	8,508	8,599	8,616
24,25, 39	All other durable goods.....	5,483	5,420	5,415	5,455	+1.2	+0.1	-0.7	5,778	5,822	5,609	5,373	6,195
	Nondurable goods industries.....	10,790	10,834	10,732	10,868	-0.4	+1.0	-1.3	10,834	11,070	10,996	10,941	10,293
	Market categories:												
	Home goods and apparel.....	4,212	4,327	4,572	4,685	-2.7	-5.4	-2.4	4,568	4,771	4,590	4,538	4,924
	Consumer staples.....	774	837	875	849	-7.5	-4.3	+3.1	712	779	852	858	610
	Equipment and defense products, except automotive.....	230,764	230,818	230,543	231,471	0.0	+0.1	-0.4	231,111	233,206	234,927	236,149	226,061
	Automotive equipment.....	5,642	5,657	5,871	5,935	-0.3	-3.6	-1.1	5,320	5,476	5,894	6,089	6,002
	Construction materials, supplies and intermediate products.....	12,046	11,998	11,958	12,088	+0.4	+0.3	-1.1	12,293	12,237	12,125	12,280	12,512
	Other materials, supplies, and intermediate products.....	111,506	112,892	113,656	115,428	-1.2	-0.7	-1.5	111,817	114,417	116,478	117,804	110,493
	Supplementary series:[2]												
	Capital goods industries.....	278,995	280,367	279,860	281,869	-0.5	+0.2	-0.7	279,342	283,046	285,486	287,117	271,046
	Nondefense.....	131,679	132,455	132,892	134,068	-0.6	-0.3	-0.9	131,812	133,015	133,779	134,852	132,898
	Defense.....	147,316	147,912	146,968	147,801	-0.4	+0.6	-0.6	147,530	150,031	151,707	152,265	138,148
	Household durable goods industries.....	3,707	3,785	4,025	4,073	-2.1	-6.0	-1.2	4,031	4,175	4,016	3,971	4,387

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1986P	May 1986r	Apr. 1986	Mar. 1986	May-JuneP	Apr.-Mayr	Mar.-Apr.	June 1986P	May 1986r	Apr. 1986	Mar. 1986	June 1985
	All manufacturing industries..	278,259	278,352	279,358	279,571	0.0	-0.4	-0.1	278,716	280,845	281,358	280,348	286,071
	Manufacturing industries with unfilled orders.....	194,976	195,102	195,686	196,009	-0.1	-0.3	-0.2	196,465	197,567	197,215	196,384	201,564
	Durable goods industries.....	187,169	187,637	188,031	188,333	-0.2	-0.2	-0.2	188,048	189,753	189,491	189,131	193,077
	With unfilled orders.....	171,822	171,923	172,285	172,570	-0.1	-0.2	-0.2	172,762	173,894	173,488	172,931	177,538
2	Stone, clay, and glass products...	5,584	5,561	5,551	5,576	+0.4	+0.2	-0.4	5,660	5,725	5,706	5,706	6,061
22	Glass containers.....	649	638	635	661	+1.7	+0.5	-3.9	659	657	651	665	620
3	Primary metals.....	16,887	16,903	17,036	17,220	-0.1	-0.8	-1.1	16,861	17,057	17,125	17,171	19,069
31	Blast furnaces, steel mills.....	7,363	7,484	7,486	7,578	-1.6	0.0	-1.2	7,311	7,447	7,344	7,358	8,527
33-9	Nonferrous and other primary metals.....	8,270	8,171	8,273	8,321	+1.2	-1.2	-0.6	8,295	8,318	8,455	8,454	9,251
4	Fabricated metal products.....	18,804	18,858	19,072	18,926	-0.3	-1.1	+0.8	19,243	19,246	19,401	19,177	19,345
41	Metal cans, barrels, and drums..	2,224	2,148	2,210	2,213	+3.5	-2.8	-0.1	2,480	2,417	2,473	2,408	2,575
5	Machinery, except electrical.....	37,325	38,108	38,409	39,017	-2.1	-0.8	-1.6	37,523	38,588	38,641	38,959	41,228
51	Engines and turbines.....	1,921	1,941	1,936	1,965	-1.0	+0.3	-1.5	1,919	1,962	1,957	1,954	2,099
52	Farm machinery and equipment....	1,671	1,760	1,763	1,867	-5.1	-0.2	-5.6	1,713	1,790	1,809	1,908	1,815
53	Construction, mining, and material handling equipment....	5,785	5,838	5,888	6,099	-0.9	-0.8	-3.5	5,820	5,955	5,970	6,136	6,645
54	Metalworking machinery.....	2,749	2,808	2,737	2,874	-2.1	+2.6	-4.8	2,776	2,833	2,729	2,842	2,771
56	General industrial machinery....	3,183	3,232	3,294	3,366	-1.5	-1.9	-2.1	3,215	3,277	3,330	3,373	3,540
57	Office and computing machines...	11,053	11,612	11,844	11,964	-4.8	-2.0	-1.0	11,097	11,728	11,785	11,773	12,842
6	Electrical machinery.....	34,281	34,004	33,830	33,544	+0.8	+0.5	+0.9	34,708	34,564	34,189	33,593	34,693
61,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,194	4,195	4,219	4,253	0.0	-0.6	-0.8	4,242	4,264	4,243	4,215	4,587
63	Household appliances.....	2,476	2,316	2,316	2,308	+6.9	0.0	+0.3	2,605	2,511	2,473	2,389	2,627
65	Radio and TV.....	1,637	1,579	1,540	1,429	+3.7	+2.5	+7.8	1,691	1,614	1,531	1,372	1,442
66	Communication equipment.....	15,043	15,002	14,859	14,641	+0.3	+1.0	+1.5	15,036	15,116	14,948	14,740	14,502
67	Electronic components.....	5,968	5,985	5,958	5,919	-0.3	+0.5	+0.7	6,022	6,009	5,982	5,913	6,575
7	Transportation equipment.....	50,470	50,206	50,030	49,896	+0.5	+0.4	+0.3	50,026	50,308	50,156	50,296	48,063
71	Motor vehicles and parts.....	10,853	11,204	11,279	11,264	-3.1	-0.7	+0.1	10,494	11,078	11,249	11,372	10,756
72,6	Aircraft, missiles, and parts...	36,192	35,650	35,488	35,365	+1.5	+0.5	+0.3	36,184	35,949	35,681	35,623	34,352
731,95	Shipbuilding and military tank vehicles.....	1,634	1,599	1,624	1,605	+2.2	-1.5	+1.2	1,643	1,597	1,622	1,608	1,385
8	Instruments and related products..	9,509	9,542	9,463	9,533	-0.3	+0.8	-0.7	9,684	9,704	9,587	9,508	9,834
81-4	Scientific and engineering instruments.....	6,658	6,705	6,619	6,701	-0.7	+1.3	-1.2	6,771	6,792	6,718	6,701	7,045
86	Photographic goods.....	2,232	2,217	2,222	2,219	+0.7	-0.2	+0.1	2,277	2,277	2,235	2,195	2,144
4,25, 39	All other durable goods.....	14,309	14,455	14,640	14,621	-1.0	-1.3	+0.1	14,343	14,561	14,686	14,721	14,784
	Nondurable goods industries.....	91,090	90,715	91,327	91,238	+0.4	-0.7	+0.1	90,668	91,092	91,867	91,217	92,994
	With unfilled orders.....	23,154	23,179	23,401	23,439	-0.1	-0.9	-0.2	23,703	23,673	23,727	23,453	24,026
0	Food and kindred products.....	21,392	21,063	21,232	20,948	+1.6	-0.8	+1.4	20,146	20,252	20,670	20,615	20,192
01	Meat products.....	2,152	2,093	2,087	2,135	+2.8	+0.3	-2.2	2,152	2,183	2,216	2,191	2,231
08	Beverages.....	3,482	3,395	3,417	3,362	+2.6	-0.6	+1.6	3,472	3,470	3,516	3,463	3,481
07	Fats and oils.....	974	968	1,005	1,056	+0.6	-3.7	-4.8	903	919	989	1,084	1,061
03-6,9	All other foods.....	13,047	12,882	12,982	12,701	+1.3	-0.8	+2.2	11,847	11,903	12,177	12,193	11,600
1	Tobacco products.....	3,057	3,202	3,223	3,267	-4.5	-0.7	-1.3	2,886	3,125	3,275	3,345	3,116
2	Textile mill products.....	6,628	6,535	6,622	6,609	+1.4	-1.3	+0.2	6,720	6,732	6,744	6,712	6,825
6	Paper and allied products.....	9,789	9,757	9,763	9,781	+0.3	-0.1	-0.2	9,958	9,987	9,963	9,827	9,846
61-3,6	Pulp, paper etc.....	3,883	3,883	3,901	3,930	0.0	-0.5	-0.7	3,919	3,952	3,945	3,940	3,809
65	Paperboard containers.....	2,262	2,255	2,280	2,343	+0.3	-1.1	-2.7	2,319	2,300	2,323	2,343	2,503
64	All other paper products.....	3,644	3,619	3,582	3,508	+0.7	+1.0	+2.1	3,720	3,735	3,695	3,544	3,534
8	Chemicals and allied products.....	21,972	21,499	21,631	21,554	+2.2	-0.6	+0.4	21,807	21,678	21,960	21,787	21,866
81,6	Industrial chemicals, except pigments.....	6,668	6,508	6,554	6,544	+2.5	-0.7	+0.2	6,655	6,573	6,626	6,564	6,608
83,4	Drugs, soaps, and toiletries....	7,153	7,057	7,089	6,940	+1.4	-0.5	+2.1	7,260	7,240	7,210	6,933	6,974
9	Petroleum and coal products.....	6,167	6,302	6,265	6,436	-2.1	+0.6	-2.7	6,077	6,212	6,214	6,293	7,837
0	Rubber and plastics products.....	6,290	6,350	6,322	6,449	-0.9	+0.4	-2.0	6,420	6,533	6,593	6,602	6,225
3,27, 31	All other nondurable goods.....	15,795	16,007	16,269	16,194	-1.3	-1.6	+0.5	16,654	16,573	16,448	16,036	17,087
	Market categories:												
	Home goods and apparel.....	22,367	22,219	22,504	22,197	+0.7	-1.3	+1.4	23,350	23,149	22,827	22,116	23,346
	Consumer staples.....	34,270	34,067	34,292	33,798	+0.6	-0.7	+1.5	33,144	33,444	33,965	33,553	32,934
	Equipment and defense products, except automotive.....	82,852	83,287	83,160	83,514	-0.5	+0.2	-0.4	83,126	84,139	83,783	83,883	85,805
	Automotive equipment.....	13,229	13,594	13,533	13,557	-2.7	+0.5	-0.2	12,822	13,464	13,531	13,769	13,100
	Construction materials, supplies and intermediate products.....	18,644	18,914	19,075	18,939	-1.4	-0.8	+0.7	18,813	19,108	19,316	19,272	19,738
	Other materials, supplies, and intermediate products.....	106,897	106,271	106,794	107,566	+0.6	-0.5	-0.7	107,461	107,541	107,936	107,755	111,148
	Supplementary series:[2]												
	Capital goods industries.....	97,000	96,990	96,928	97,253	0.0	+0.1	-0.3	97,441	98,111	97,555	97,459	98,402
	Nondefense.....	68,841	69,236	69,363	70,173	-0.6	-0.2	-1.2	68,908	69,885	69,811	70,041	73,344
	Defense.....	28,159	27,754	27,565	27,080	+1.5	+0.7	+1.8	28,533	28,226	27,744	27,418	25,058
	Household durable goods industries.....	11,493	11,252	11,351	11,098	+2.1	-0.9	+2.3	11,812	11,619	11,521	11,089	11,719

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		June 1986p	May 1986r	Apr. 1986	Mar. 1986	May-June p	Apr.-May r	Mar.-Apr.	June 1986p	May 1986r	Apr. 1986	Mar. 1986	June 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,635	86,276	86,942	86,798	+0.4	-0.8	+0.2	86,316	86,456	87,205	87,047	90,793
	Durable goods industries.....	51,463	51,387	51,864	51,688	+0.1	-0.9	+0.3	51,298	51,347	51,679	51,497	54,513
32	Stone, clay, and glass products...	1,740	1,758	1,759	1,721	-1.0	-0.1	+2.2	1,735	1,748	1,759	1,723	1,866
33	Primary metals.....	4,768	4,787	4,835	4,776	-0.4	-1.0	+1.2	4,690	4,671	4,677	4,680	5,630
34	Fabricated metal products.....	7,229	7,095	7,110	7,159	+1.9	-0.2	-0.7	7,238	7,137	7,172	7,230	7,282
35	Machinery, except electrical.....	10,420	10,297	10,506	10,427	+1.2	-2.0	+0.8	10,449	10,404	10,554	10,374	11,791
36	Electrical Machinery.....	7,947	7,900	7,825	7,911	+0.6	+1.0	-1.1	8,002	7,945	7,905	7,838	8,472
37	Transportation equipment.....	11,362	11,480	11,682	11,552	-1.0	-1.7	+1.1	11,350	11,524	11,637	11,624	11,365
38	Instruments and related products..	2,647	2,677	2,663	2,669	-1.1	+0.5	-0.2	2,658	2,679	2,673	2,663	2,762
24,25, 39	All other durable goods.....	5,350	5,393	5,484	5,473	-0.8	-1.7	+0.2	5,176	5,239	5,302	5,365	5,345
	Nondurable goods industries.....	35,172	34,889	35,078	35,110	+0.8	-0.5	-0.1	35,018	35,109	35,526	35,550	36,280
20	Food and kindred products.....	7,839	7,516	7,522	7,297	+4.3	-0.1	+3.1	7,523	7,467	7,635	7,492	7,485
21	Tobacco products.....	2,499	2,677	2,646	2,760	-6.6	+1.2	-4.1	2,430	2,645	2,732	2,834	2,711
22	Textile mill products.....	2,094	2,052	2,123	2,094	+2.0	-3.3	+1.4	2,138	2,120	2,159	2,145	2,101
26	Paper and allied products.....	4,831	4,860	4,841	4,912	-0.6	+0.4	-1.4	4,873	4,861	4,879	4,921	4,762
28	Chemicals and allied products.....	8,057	7,852	7,738	7,727	+2.6	+1.5	+0.1	7,988	7,925	7,808	7,813	8,308
29	Petroleum and coal products.....	1,657	1,649	1,849	1,884	+0.5	-10.8	-1.9	1,701	1,758	1,903	1,883	2,009
30	Rubber and plastics products.....	2,285	2,268	2,271	2,352	+0.7	-0.1	-3.4	2,306	2,288	2,309	2,342	2,167
23,27, 31	All other nondurable goods.....	5,910	6,015	6,088	6,084	-1.7	-1.2	+0.1	6,059	6,045	6,101	6,120	6,737
	WORK IN PROCESS												
	All manufacturing industries..	104,955	104,411	104,615	105,157	+0.5	-0.2	-0.5	104,801	105,287	105,386	105,565	104,477
	Durable goods industries.....	91,080	90,714	90,825	91,236	+0.4	-0.1	-0.5	91,053	91,456	91,465	91,696	90,230
32	Stone, clay, and glass products...	729	723	737	768	+0.8	-1.9	-4.0	747	750	769	806	822
33	Primary metals.....	6,978	6,960	7,026	7,282	+0.3	-0.9	-3.5	6,940	7,041	7,070	7,216	7,668
34	Fabricated metal products.....	6,760	6,890	7,001	6,832	-1.9	-1.6	+2.5	6,986	7,070	7,140	6,948	6,915
35	Machinery, except electrical.....	15,356	15,418	15,800	16,087	-0.4	-2.4	-1.8	15,321	15,563	15,904	16,070	16,116
36	Electrical Machinery.....	20,007	19,851	19,759	19,556	+0.8	+0.5	+1.0	20,165	20,105	19,881	19,612	19,233
37	Transportation equipment.....	34,014	33,593	33,212	33,294	+1.3	+1.1	-0.2	33,567	33,585	33,351	33,601	31,606
38	Instruments and related products..	3,987	4,061	3,972	4,033	-1.8	+2.2	-1.5	4,072	4,105	4,024	4,049	4,254
24,25, 39	All other durable goods.....	3,249	3,218	3,318	3,384	+1.0	-3.0	-2.0	3,255	3,237	3,326	3,394	3,616
	Nondurable goods industries.....	13,875	13,697	13,790	13,921	+1.3	-0.7	-0.9	13,748	13,831	13,921	13,869	14,247
20	Food and kindred products.....	1,622	1,593	1,641	1,666	+1.8	-2.9	-1.5	1,592	1,591	1,643	1,692	1,620
21	Tobacco products.....	334	249	289	223	+34.1	-13.8	+29.6	214	195	224	208	161
22	Textile mill products.....	1,977	1,960	1,935	1,932	+0.9	+1.3	+0.2	1,943	1,972	1,952	1,950	1,918
26	Paper and allied products.....	1,089	1,107	1,116	1,122	-1.6	-0.8	-0.5	1,113	1,122	1,114	1,110	1,170
28	Chemicals and allied products.....	3,411	3,396	3,410	3,377	+0.4	-0.4	+1.0	3,416	3,458	3,438	3,387	3,666
29	Petroleum and coal products.....	912	867	856	951	+5.2	+1.3	-10.0	929	899	895	946	1,313
30	Rubber and plastics products.....	1,155	1,209	1,165	1,221	-4.5	+3.8	-4.6	1,145	1,186	1,189	1,211	1,144
23,27, 31	All other nondurable goods.....	3,375	3,316	3,378	3,429	+1.8	-1.8	-1.5	3,396	3,408	3,466	3,365	3,255
	FINISHED GOODS												
	All manufacturing industries..	86,669	87,665	87,801	87,616	-1.1	-0.2	+0.2	87,599	89,102	88,767	87,736	90,801
	Durable goods industries.....	44,626	45,536	45,342	45,409	-2.0	+0.4	-0.1	45,697	46,950	46,347	45,938	48,334
32	Stone, clay, and glass products...	3,115	3,080	3,055	3,087	+1.1	+0.8	-1.0	3,178	3,227	3,178	3,177	3,373
33	Primary metals.....	5,141	5,156	5,175	5,162	-0.3	-0.4	+0.3	5,231	5,345	5,378	5,275	5,771
34	Fabricated metal products.....	4,815	4,873	4,961	4,935	-1.2	-1.8	+0.5	5,019	5,039	5,089	4,999	5,148
35	Machinery, except electrical.....	11,549	12,393	12,103	12,503	-6.8	+2.4	-3.2	11,753	12,621	12,183	12,515	13,321
36	Electrical Machinery.....	6,327	6,253	6,246	6,077	+1.2	+0.1	+2.8	6,541	6,514	6,403	6,143	6,988
37	Transportation equipment.....	5,094	5,133	5,136	5,050	-0.8	-0.1	+1.7	5,109	5,199	5,168	5,071	5,092
38	Instruments and related products..	2,875	2,804	2,828	2,831	+2.5	-0.8	-0.1	2,954	2,920	2,890	2,796	2,818
24,25, 39	All other durable goods.....	5,710	5,844	5,838	5,764	-2.3	+0.1	+1.3	5,912	6,085	6,058	5,962	5,823
	Nondurable goods industries.....	42,043	42,129	42,459	42,207	-0.2	-0.8	+0.6	41,902	42,152	42,420	41,798	42,467
20	Food and kindred products.....	11,931	11,954	12,069	11,985	-0.2	-1.0	+0.7	11,031	11,194	11,392	11,431	11,087
21	Tobacco products.....	224	276	288	284	-18.8	-4.2	+1.4	242	285	319	303	244
22	Textile mill products.....	2,557	2,523	2,564	2,583	+1.3	-1.6	-0.7	2,639	2,640	2,633	2,617	2,806
26	Paper and allied products.....	3,869	3,790	3,806	3,747	+2.1	-0.4	+1.6	3,972	4,004	3,970	3,796	3,914
28	Chemicals and allied products.....	10,504	10,251	10,483	10,450	+2.5	-2.2	+0.3	10,403	10,295	10,714	10,587	9,892
29	Petroleum and coal products.....	3,598	3,786	3,560	3,601	-5.0	+6.3	-1.1	3,447	3,555	3,416	3,464	4,515
30	Rubber and plastics products.....	2,850	2,873	2,886	2,876	-0.8	-0.5	+0.3	2,969	3,059	3,095	3,049	2,914
23,27, 31	All other nondurable goods.....	6,510	6,676	6,803	6,681	-2.5	-1.9	+1.8	7,199	7,120	6,881	6,551	7,095

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		June 1986p	May 1986r	Apr. 1986	Mar. 1986	June 1986p	May 1986r	Apr. 1986	Mar. 1986
	All manufacturing industries	1.44	1.44	1.42	1.46	3.37	3.46	3.39	3.50
	Durable goods industries	1.80	1.81	1.76	1.83	4.15	4.23	4.14	4.27
32	Stone, clay, and glass products	1.14	1.13	1.09	1.17	0.60	0.59	0.59	0.66
33	Primary metals	1.78	1.72	1.68	1.75	2.00	1.94	1.99	2.10
34	Fabricated metal products	1.33	1.33	1.31	1.38	1.48	1.49	1.46	1.53
35	Machinery, except electrical	2.13	2.27	2.14	2.25	3.37	3.56	3.36	3.52
36	Electrical machinery	2.10	2.19	2.18	2.07	5.16	5.33	5.38	5.17
37	Transportation equipment	1.96	1.89	1.82	1.99	11.07	10.98	10.64	11.58
38	Instruments and related products	2.03	2.05	2.05	2.08	1.80	1.84	1.83	1.86
	Nondurable goods industries	1.02	1.01	1.02	1.03	0.47	0.50	0.49	0.50
20	Food and kindred products	0.84	0.82	0.84	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	1.42	1.56	2.05	1.52	(X)	(X)	(X)	(X)
22	Textile mill products	1.49	1.54	1.48	1.54	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.07	1.10	1.09	1.16	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.29	1.24	1.18	1.26	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.55	0.50	0.51	0.50	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.57	1.57	1.57	1.64	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1985	All Junes 1981-1985	June 1985-May 1986	Year ago June 1985	All Junes 1981-1985	June 1985-May 1986	Year ago June 1985	All Junes 1981-1985	June 1985-May 1986	Year ago June 1985	All Junes 1981-1985	June 1985-May 1986
	All manufacturing industries	0.4	0.4	0.2	0.2	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.1	0.3	0.3	0.1	0.6	0.5	0.1	0.1	0.1	0.1	0.2	0.1
32	Stone, clay, and glass products	0.7	1.2	1.2	1.8	1.3	1.3	2.3	2.3	0.9	0.8	0.3	0.3
33	Primary metals	0.4	0.6	0.8	1.7	1.9	1.0	0.7	0.8	0.5	0.1	0.2	0.2
34	Fabricated metal products	0.0	0.3	0.7	0.3	0.7	1.2	0.1	0.3	0.5	0.8	0.2	0.6
35	Machinery, except electrical	0.4	1.5	0.6	0.1	1.4	1.2	0.2	0.2	0.2	0.3	0.3	0.1
36	Electrical machinery	0.3	0.5	0.9	1.0	0.8	1.5	0.1	0.1	0.2	0.1	0.3	0.2
	Transportation equipment	0.6	0.7	0.3	0.6	1.1	1.4	0.2	0.1	0.2	0.1	0.3	0.1
38	Instruments and related products	1.8	1.0	1.0	0.1	1.5	1.3	1.0	1.0	0.5	0.5	0.5	0.4
	Nondurable goods industries	0.6	0.5	0.3	0.7	0.5	0.4	0.6	0.6	0.5	0.0	0.1	0.2
20	Food and kindred products	0.9	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.6	0.3
21	Tobacco products	2.6	1.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.9	0.6	0.1
22	Textile mill products	3.3	1.3	1.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.4	0.9
26	Paper and allied products	1.2	0.6	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.2
28	Chemicals and allied product	0.6	1.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.3
29	Petroleum and coal products	0.8	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.7
30	Rubber and plastica products	1.0	1.0	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.6	0.6
	Capital goods industries:												
	Nondefense	0.7	1.1	0.7	1.3	1.3	0.8	0.1	0.2	0.1	0.3	0.1	0.2
	Defense	0.4	0.8	0.7	3.0	3.3	3.6	0.2	0.2	0.2	0.1	0.6	0.3

(X) Not Applicable (NA) Not available.

Note: The revisiona are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1 (86)-7

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

July 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(86)-7

For Wire Transmission 10:00 a.m. E.D.T. Tuesday, September 2, 1986

(All Figures in text are in seasonally adjusted current dollars)

NOV 2 1986

SUMMARY. New orders for manufactured goods in July increased $4.2 billion or 2.2 percent to $196.0 billion. Since reaching a high last December of $201.2 billion, orders had been generally declining, dropping to $191.8 billion in June. The July orders increase was concentrated in the durable goods sector which increased 4.1 percent; the nondurable goods sector showed no change from June.

Shipments of manufactured goods in July increased $0.8 billion or 0.4 percent to $194.4 billion, following a 0.3 percent increase in June. Prior to that, shipments declined from a high in November of $200.1 billion to $193.1 billion in May.

Unfilled orders in July increased $1.6 billion or 0.4 percent to $366.2 billion, following 3 consecutive monthly declines. Manufacturers' inventories remained unchanged for the second month in a row at $278.3 billion, following a 14-month downward trend. The small increase in shipments was enough to lower slightly the inventory to shipments ratio from 1.44 in June to 1.43 in July.

NEW ORDERS. The increase in orders for durable goods in July of $4.2 billion or 4.1 percent to $106.9 billion included an increase in defense capital goods orders of $3.2 billion. Excluding defense, the durable goods increase was 1.0 percent.

Orders for transportation equipment increased $5.2 billion or 21.9 percent to $28.7 billion. The aircraft and parts industry accounted for over 80 percent of the increase, as defense and nondefense orders were up. Nonelectrical machinery, fabricated metal products, and instruments and related products also were up. The largest decline in the durable goods sector was in electrical machinery, down $0.9 billion or 5.3 percent to $17.0 billion, following a 22.3 percent increase in June.

SHIPMENTS. Shipments of durable goods in July increased $0.9 billion or 0.9 percent to $105.5 billion. The largest increase was in transportation equipment, up $1.5 billion or 5.8 percent to $27.4 billion; aircraft and parts were up $0.9 billion and motor vehicles and parts $0.4 billion. Both primary metals and fabricated metals also had increases in July. Both electrical and none-lectrical machinery shipments declined in July, nonelectrical down $0.4 billion or 2.5 percent to $17.1 billion and electrical down $0.2 billion or 1.3 percent to $16.1 billion.

Nondurable goods shipments showed a slight decline in July of $0.1 billion to $89.0 billion. Large offsetting movements occurred in several industries. Food products increased $0.9 billion or 3.7 percent to $26.4 billion, and chemicals were up $0.6 billion or 3.2 percent to $17.9 billion; petroleum products were down $0.5 billion or 4.4 percent to $10.8 billion and tobacco products $0.6 billion or 29.9 percent to $1.5 billion.

UNFILLED ORDERS. The increase in unfilled orders in July of 0.4 percent was due mostly to an increase in defense orders for both aircraft and ships and tanks. Transportation equipment in total was up $1.3 billion or 0.8 percent to $159.8 billion. The orders backlog for electrical machinery increased $0.9 billion or 1.0 percent to $85.1 billion. The largest decline in unfilled orders was in primary metals, down $0.6 billion or 2.9 percent to $18.4 billion.

INVENTORIES. Durable goods inventories in July decreased $0.5 billion or 0.3 percent to $186.7 billion, offsetting a $0.4 billion or 0.4 percent increase in nondurable goods to $91.6 billion. Inventories by stage of fabrication showed increases in finished goods and decreases in work in process for both the durable and nondurable goods sectors. An increase in materials and supplies in nondurables was offset by a decline in durables.

SCHEDULED RELEASE DATES. The advance report on durable goods for August is scheduled for release on September 23, 1986 at 8:30 a.m. and the full report on October 1, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1986p	June 1986r	May 1986	Apr. 1986	June-Julyp	May-Jun er	Apr.-May	July 1986p	June 1986r	May 1986	Apr. 1986	1986p	1985
	All manufacturing industries	194,448	193,642	193,068	196,132	+0.4	+0.3	-1.6	179,697	206,929	195,769	197,446	1,359,192	1,350,817
	Manufacturing industries with unfilled orders	108,936	108,581	105,976	108,249	+0.3	+2.5	-2.1	99,517	116,042	107,157	108,627	747,479	729,400
	Durable goods industries	105,470	104,553	103,672	106,592	+0.9	+0.8	-2.7	95,452	114,059	106,469	108,655	734,973	716,858
	With unfilled orders	86,257	85,643	84,162	86,212	+0.7	+1.8	-2.4	78,360	92,735	85,437	86,667	594,492	584,938
32	Stone, clay, and glass products	4,903	4,873	4,942	5,108	+0.6	-1.4	-3.2	4,851	5,363	5,108	5,171	34,306	33,093
322	Glass containers	445	414	412	457	+7.5	+0.5	-9.8	441	462	431	465	3,026	2,818
33	Primary metals	9,627	9,484	9,852	10,122	+1.5	-3.7	-2.7	8,761	10,171	10,262	10,621	70,830	74,935
331	Blast furnaces, steel mills	4,146	3,886	4,066	4,123	+6.7	-4.4	-1.4	3,781	4,216	4,180	4,342	29,340	31,372
333-9	Nonferrous and other primary metals	4,285	4,435	4,651	4,730	-3.4	-4.6	-1.7	3,938	4,666	4,828	4,929	32,875	34,860
34	Fabricated metal products	14,450	14,199	14,145	14,553	+1.8	+0.4	-2.8	13,485	15,353	14,552	14,754	99,399	95,680
341	Metal cans, barrels, and drums	934	957	988	981	-2.4	-3.1	+0.7	1,018	1,084	1,024	962	6,559	6,767
35	Machinery, except electrical	17,103	17,535	16,784	17,932	-2.5	+4.5	-6.4	15,457	19,353	16,903	17,666	120,120	123,435
351	Engines and turbines	1,086	1,241	1,199	1,228	-12.5	+3.5	-2.4	966	1,377	1,229	1,275	8,737	8,839
352	Farm machinery and equipment	711	825	807	943	-13.8	+2.2	-14.4	574	907	911	1,055	6,040	6,167
353	Construction, mining, and material handling equipment	2,881	2,713	2,882	3,179	+6.2	-5.9	-9.3	2,829	2,965	2,960	3,122	20,650	19,621
354	Metalworking machinery	802	915	838	838	-12.3	+9.2	0.0	704	961	817	825	5,933	5,899
356	General industrial machinery	1,565	1,487	1,396	1,673	+5.2	+6.5	-16.6	1,449	1,533	1,416	1,608	10,345	9,654
357	Office and computing machines	4,254	4,572	3,940	4,010	-7.0	+16.0	-1.7	3,548	5,166	3,633	3,513	26,403	30,868
36	Electrical machinery	16,106	16,316	15,520	15,539	-1.3	+5.1	-0.1	14,586	17,537	15,504	15,549	109,701	105,035
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,159	2,117	2,078	2,038	+2.0	+1.9	+2.0	1,881	2,277	2,071	2,048	14,682	14,117
363	Household appliances	1,551	1,489	1,407	1,405	+4.2	+5.8	+0.1	1,535	1,636	1,422	1,416	10,088	9,915
365	Radio and TV	1,109	1,031	957	1,021	+7.6	+7.7	-6.3	1,004	1,196	877	905	6,907	6,126
366	Communication equipment	5,114	5,478	5,068	5,077	-6.6	+8.1	-0.2	4,636	5,917	5,123	5,188	36,396	34,798
367	Electronic components	3,302	3,253	3,253	3,273	+1.5	0.0	-0.6	2,995	3,451	3,328	3,401	22,956	23,176
37	Transportation equipment	27,398	25,887	26,610	27,517	+5.8	-2.7	-3.3	23,585	29,019	28,219	28,953	191,551	180,798
371	Motor vehicles and parts	16,885	16,455	16,992	18,080	+2.6	-3.2	-6.0	13,968	18,830	18,574	19,478	125,800	119,619
372,6	Aircraft, missiles, and parts	8,851	7,925	8,106	7,882	+11.7	-2.2	+2.8	8,072	8,607	8,069	7,796	54,728	49,392
3731,95	Shipbuilding and military tank vehicles	710	700	716	702	+1.4	-2.2	+2.0	693	729	721	673	4,848	5,800
38	Instruments and related products	4,685	4,680	4,648	4,613	+0.1	+0.7	+0.8	4,298	5,023	4,569	4,446	32,107	32,571
381-4	Scientific and engineering instruments	3,046	3,103	3,090	3,058	-1.8	+0.4	+1.0	2,744	3,289	3,019	2,957	21,176	21,454
386	Photographic goods	1,475	1,415	1,388	1,378	+4.2	+1.9	+0.7	1,397	1,561	1,374	1,306	9,714	9,777
24,25, 39	All other durable goods	11,198	11,579	11,171	11,208	-3.3	+3.7	-0.3	10,429	12,240	11,352	11,495	76,959	71,311
	Nondurable goods industries	88,978	89,089	89,396	89,540	-0.1	-0.3	-0.2	84,245	92,870	89,300	88,791	624,219	633,959
	With unfilled orders	22,679	22,938	21,814	22,037	-1.1	+5.2	-1.0	21,157	23,307	21,720	21,960	152,987	144,462
20	Food and kindred products	26,422	25,490	25,791	25,279	+3.7	-1.2	+2.0	24,972	26,698	25,708	24,635	176,339	171,592
201	Meat products	6,013	5,683	5,402	5,578	+5.8	+5.2	-3.2	5,809	5,802	5,478	5,377	38,484	39,424
208	Beverages	3,929	3,876	4,091	4,005	+1.4	-5.3	+2.1	4,212	4,457	4,381	4,189	28,178	26,418
207	Fats and oils	936	998	1,134	1,038	-6.2	-12.0	+9.2	893	1,013	1,122	994	7,298	8,127
203-6,9	All other foods	12,183	11,674	11,832	11,462	+4.4	-1.3	+3.2	10,697	12,001	11,335	10,889	79,511	74,834
21	Tobacco products	1,491	2,127	2,057	1,570	-29.9	+3.4	+31.0	1,373	2,331	1,985	1,542	11,917	11,292
22	Textile mill products	4,481	4,398	4,255	4,487	+1.9	+3.4	-5.2	3,827	4,814	4,328	4,454	30,533	29,645
26	Paper and allied products	9,257	9,125	8,853	8,917	+1.4	+3.1	-0.7	8,762	9,532	8,886	8,989	62,316	57,110
261-3,6	Pulp, paper etc	4,024	3,836	3,686	3,745	+4.9	+4.1	-1.6	3,770	4,035	3,771	3,821	26,392	24,541
265	Paperboard containers	1,861	1,825	1,808	1,837	+2.0	+0.9	-1.6	1,764	1,902	1,808	1,843	12,724	12,836
264	All other paper products	3,372	3,464	3,359	3,335	-2.7	+3.1	+0.7	3,228	3,595	3,307	3,325	23,200	19,733
28	Chemicals and allied products	17,901	17,346	17,273	18,363	+3.2	+0.4	-5.9	16,431	18,508	17,912	19,016	126,331	126,935
281,6	Industrial chemicals, except pigments	5,828	5,708	5,680	5,876	+2.1	+0.5	-3.3	5,478	6,050	5,771	6,111	41,370	42,160
283,4	Drugs, soaps, and toiletries	5,168	5,199	5,064	5,105	-0.6	+2.7	-0.8	4,672	5,552	4,791	4,722	35,025	31,690
29	Petroleum and coal products	10,782	11,278	12,629	12,344	-4.4	-10.7	+2.3	10,836	11,643	12,573	12,029	88,700	111,487
30	Rubber and plastics products	3,869	4,002	4,044	4,016	-3.3	-1.0	+0.7	3,724	4,315	4,036	4,078	27,786	28,401
23,27, 31	All other nondurable goods	14,775	15,323	14,494	14,564	-3.6	+5.7	-0.5	14,320	15,029	13,872	14,048	100,297	97,497
	Market categories:													
	Home goods and apparel	13,695	14,057	13,208	13,362	-2.6	+6.4	-1.2	12,712	14,586	12,586	12,816	92,040	88,832
	Consumer staples	37,439	37,350	36,956	35,920	+0.2	+1.1	+2.9	35,313	39,034	36,507	35,049	251,342	239,049
	Equipment and defense products, except automotive	30,600	30,751	29,679	30,384	-0.5	+3.6	-2.3	27,722	33,441	29,597	29,832	207,866	206,827
	Automotive equipment	18,746	18,274	18,744	19,899	+2.6	-2.5	-5.8	15,780	20,820	20,449	21,553	138,981	133,443
	Construction materials, supplies and intermediate products	18,114	18,216	18,286	18,765	-0.6	-0.4	-2.6	17,952	19,926	18,937	19,082	125,952	117,906
	Other materials, supplies, and intermediate products	75,854	74,994	76,195	77,802	+1.1	-1.6	-2.1	70,218	79,122	77,693	79,114	543,011	564,760
	Supplementary series:[2]													
	Capital goods industries	35,574	35,207	34,068	34,688	+1.0	+3.3	-1.8	32,233	38,247	33,908	34,048	237,807	231,909
	Nondefense	27,355	27,243	26,582	27,355	+0.4	+2.5	-2.8	24,647	29,922	26,401	26,730	185,868	185,749
	Defense	8,219	7,964	7,486	7,333	+3.2	+6.4	+2.1	7,586	8,325	7,507	7,318	51,939	46,160
	Household durable goods industries	7,058	7,374	6,711	6,689	-4.3	+9.9	+0.3	6,245	7,749	6,539	6,586	46,763	43,999

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1986P	June 1986r	May 1986	Apr. 1986	June-JulyP	May-Jnerr	Apr.-May	July 1986P	June 1986r	May 1986	Apr. 1986	1986P	1985
	All manufacturing industries	196,005	191,795	192,122	193,151	+2.2	-0.2	-0.5	178,832	201,600	191,789	194,594	1,362,524	1,358,033
	Manufacturing industries with unfilled orders	110,493	106,734	105,030	105,268	+3.5	+1.6	-0.2	98,652	110,713	103,177	105,775	750,811	736,615
	Durable goods industries	106,902	102,730	102,624	103,747	+4.1	+0.1	-1.1	94,369	108,946	102,415	105,748	737,702	723,497
	With unfilled orders	87,689	83,820	83,114	83,367	+4.6	+0.8	-0.3	77,277	87,622	81,383	83,760	597,221	591,577
32	Stone, clay, and glass products	4,834	4,927	4,840	4,998	-1.9	+1.8	-3.2	4,800	5,380	5,053	5,075	34,408	33,273
33	Primary metals	9,075	9,323	8,831	9,625	-2.7	+5.6	-8.2	8,105	9,390	8,768	9,577	69,795	75,866
331	Blast furnaces, steel mills	3,678	3,822	3,443	3,918	-3.8	+11.0	-12.1	3,229	3,709	3,309	3,757	28,540	31,801
333-9	Nonferrous and other primary metals	4,256	4,361	4,202	4,263	-2.4	+3.8	-1.4	3,803	4,485	4,232	4,340	32,266	35,089
34	Fabricated metal products	14,337	13,998	14,024	14,653	+2.4	-0.2	-4.3	13,328	15,278	14,507	14,708	99,048	95,010
35	Machinery, except electrical	17,237	16,888	16,441	16,800	+2.1	+2.7	-2.1	14,968	18,394	16,629	16,739	117,064	124,063
351	Engines and turbines	960	1,185	1,115	1,253	-19.0	+6.3	-11.0	904	1,131	1,239	1,216	8,339	8,201
353	Construction, mining, and material handling equipment	2,638	2,429	2,751	2,970	+8.6	-11.7	-7.4	2,606	2,637	2,828	2,859	19,320	19,732
354	Metalworking machinery	824	731	872	854	+12.7	-16.2	+2.1	763	816	862	837	5,799	6,733
356	General industrial machinery	1,484	1,562	1,509	1,592	-5.0	+3.5	-5.2	1,364	1,570	1,522	1,538	10,333	9,609
357	Office and computing machines	4,764	4,484	3,739	3,136	+6.2	+19.9	+19.2	3,521	5,215	3,621	3,013	25,601	31,840
36	Electrical machinery	16,967	17,913	14,650	15,467	-5.3	+22.3	-5.3	14,881	18,228	14,816	15,037	112,915	109,017
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,242	2,025	1,947	1,907	+10.7	+4.0	+2.1	1,963	2,122	1,899	1,944	14,418	13,984
363	Household appliances	1,572	1,492	1,414	1,401	+5.4	+5.5	+0.9	1,565	1,629	1,445	1,418	10,123	9,989
365	Radio and TV	1,025	933	844	1,143	+9.9	+10.5	-26.2	916	1,166	1,008	846	6,809	6,185
366	Communication equipment	5,914	6,997	4,630	5,086	-15.5	+51.1	-9.0	4,807	6,772	4,503	4,654	39,544	40,801
367	Electronic components	3,326	3,448	3,005	3,145	-3.5	+14.7	-4.5	3,051	3,415	3,231	3,526	23,088	21,175
37	Transportation equipment	28,689	23,531	27,933	26,497	+21.9	-15.8	+5.4	23,525	25,134	26,486	28,526	194,642	180,877
372,6	Aircraft, missiles, and parts	9,530	5,303	10,023	7,169	+79.7	-47.1	+39.8	7,472	5,065	7,398	7,762	57,157	51,422
3731,95	Shipbuilding and military tank vehicles	1,498	974	325	377	+53.8	+199.7	-13.8	1,222	537	72	397	5,646	4,458
38	Instruments and related products	4,683	4,530	4,729	4,539	+3.4	-4.2	+4.2	4,282	4,967	4,591	4,355	31,961	32,980
24,25, 39	All other durable goods	11,080	11,620	11,176	11,168	-4.6	+4.0	+0.1	10,480	12,175	11,565	11,731	77,869	72,411
	Nondurable goods industries	89,103	89,065	89,498	89,404	0.0	-0.5	+0.1	84,463	92,654	89,374	88,846	624,822	634,536
	With unfilled orders	22,804	22,914	21,916	21,901	-0.5	+4.6	+0.1	21,375	23,091	21,794	22,015	153,590	145,038
	Market categories:													
	Home goods and apparel	13,540	13,944	12,963	13,249	-2.9	+7.6	-2.2	12,729	14,387	12,767	12,868	93,011	90,057
	Consumer staples	37,447	37,284	36,918	35,946	+0.4	+1.0	+2.7	35,351	38,964	36,434	35,043	251,356	239,044
	Equipment and defense products, except automotive	32,750	30,495	29,954	29,456	+7.4	+1.8	+1.7	27,175	31,143	27,876	28,610	209,967	212,078
	Automotive equipment	18,655	18,286	18,530	19,835	+2.0	-1.3	-6.6	15,861	20,690	20,031	21,358	138,854	132,881
	Construction materials, supplies and intermediate products	18,107	18,106	18,326	18,635	0.0	-1.2	-1.7	17,936	19,822	19,049	18,927	126,093	118,107
	Other materials, supplies, and intermediate products	75,506	73,680	75,431	76,030	+2.5	-2.3	-0.8	69,780	76,594	75,632	77,788	543,243	565,866
	Supplementary series:[2]													
	Capital goods industries	37,878	33,674	34,575	32,679	+12.5	-2.6	+5.8	31,732	34,383	31,468	32,417	240,948	238,691
	Nondefense	27,385	26,421	26,145	26,179	+3.6	+1.1	-0.1	24,315	28,674	25,637	25,657	184,601	184,923
	Defense	10,493	7,253	8,430	6,500	+44.7	-14.0	+29.7	7,417	5,709	5,831	6,760	56,347	53,768
	Household durable goods industries	6,852	7,289	6,471	6,641	-6.0	+12.6	-2.6	6,189	7,599	6,698	6,631	47,552	45,037

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1986P	June 1986r	May 1986	Apr. 1986	June-JulyP	May-JuneR	Apr.-May	July 1986P	June 1986r	May 1986	Apr. 1986	July 1985
	All manufacturing industries..	366,239	364,682	366,529	367,475	+0.4	-0.5	-0.3	364,692	365,557	370,886	374,866	360,156
	Durable goods industries.....	355,304	353,872	355,695	356,743	+0.4	-0.5	-0.3	353,620	354,703	359,816	363,870	349,666
32	Stone, clay, and glass products...	2,646	2,715	2,661	2,763	-2.5	+2.0	-3.7	2,735	2,786	2,769	2,824	2,577
33	Primary metals.....	18,377	18,929	19,090	20,111	-2.9	-0.8	-5.1	18,095	18,751	19,532	21,026	19,435
331	Blast furnaces, steel mills.....	8,340	8,808	8,872	9,495	-5.3	-0.7	-6.6	8,106	8,658	9,165	10,036	8,831
333-9	Nonferrous and other primary metals.....	6,193	6,222	6,296	6,745	-0.5	-1.2	-6.7	6,137	6,272	6,453	7,049	7,345
34	Fabricated metal products.....	19,321	19,434	19,635	19,756	-0.6	-1.0	-0.6	19,606	19,763	19,838	19,883	20,511
35	Machinery, except electrical.....	56,300	56,166	56,813	57,156	+0.2	-1.1	-0.6	55,997	56,486	57,445	57,719	61,600
351	Engines and turbines.....	14,785	14,911	14,967	15,051	-0.8	-0.4	-0.6	14,629	14,691	14,937	14,927	14,524
353	Construction, mining, and material handling equipment....	4,967	5,210	5,494	5,625	-4.7	-5.2	-2.3	4,987	5,210	5,538	5,670	6,003
354	Metalworking machinery.....	3,722	3,700	3,884	3,850	+0.6	-4.7	+0.9	3,744	3,685	3,830	3,785	4,477
356	General industrial machinery....	4,231	4,312	4,237	4,124	-1.9	+1.8	+2.7	4,231	4,316	4,279	4,173	4,616
357	Office and computing machines...	17,962	17,452	17,540	17,741	+2.9	-0.5	-1.1	18,088	18,115	18,066	18,078	21,242
36	Electrical machinery.....	85,124	84,263	82,666	83,536	+1.0	+1.9	-1.0	84,655	84,360	83,669	84,357	81,897
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,492	5,409	5,501	5,632	+1.5	-1.7	-2.3	5,477	5,395	5,550	5,722	6,049
363	Household appliances.....	359	338	335	328	+6.2	+0.9	+2.1	392	362	369	346	437
365	Radio and TV.....	297	381	479	592	-22.0	-20.5	-19.1	340	428	458	327	494
366	Communication equipment.....	61,492	60,692	59,173	59,611	+1.3	+2.6	-0.7	60,681	60,510	59,655	60,275	56,572
367	Electronic components.....	15,833	15,809	15,614	15,862	+0.2	+1.2	-1.6	16,102	16,046	16,082	16,179	16,895
37	Transportation equipment.....	159,804	158,513	160,869	159,546	+0.8	-1.5	+0.8	158,266	158,326	162,211	163,944	148,640
372,6	Aircraft, missiles, and parts...	134,908	134,229	136,851	134,934	+0.5	-1.9	+1.4	133,961	134,561	138,103	138,774	122,567
3731,95	Shipbuilding and military tank vehicles.....	18,848	18,060	17,786	18,177	+4.4	+1.5	-2.2	18,385	17,856	18,048	18,697	19,515
38	Instruments and related products..	8,389	8,391	8,541	8,460	0.0	-1.8	+1.0	8,458	8,474	8,530	8,508	8,723
24,25, 39	All other durable goods.....	5,343	5,461	5,420	5,415	-2.2	+0.8	+0.1	5,808	5,757	5,822	5,609	6,283
	Nondurable goods industries.....	10,935	10,810	10,834	10,732	+1.2	-0.2	+1.0	11,072	10,854	11,070	10,996	10,490
	Market categories:												
	Home goods and apparel.....	4,059	4,214	4,327	4,572	-3.7	-2.6	-5.4	4,589	4,572	4,771	4,590	5,053
	Consumer staples.....	779	771	837	875	+1.0	-7.9	-4.3	747	709	779	852	628
	Equipment and defense products, except automotive.....	232,712	230,562	230,818	230,543	+0.9	-0.1	+0.1	230,361	230,908	233,206	234,927	225,152
	Automotive equipment.....	5,578	5,669	5,657	5,871	-1.6	+0.2	-3.6	5,427	5,346	5,476	5,894	5,927
	Construction materials, supplies and intermediate products.....	11,881	11,888	11,998	11,958	-0.1	-0.9	+0.3	12,117	12,133	12,237	12,125	12,396
	Other materials, supplies, and intermediate products.....	111,230	111,578	112,892	113,656	-0.3	-1.2	-0.7	111,451	111,889	114,417	116,478	111,000
	Supplementary series:[2]												
	Capital goods industries.....	281,138	278,834	280,367	279,860	+0.8	-0.5	+0.2	278,681	279,182	283,046	285,486	270,638
	Nondefense.....	131,663	131,633	132,455	132,892	0.0	-0.6	-0.3	131,435	131,767	133,015	133,779	132,002
	Defense.....	149,475	147,201	147,912	146,968	+1.5	-0.5	+0.6	147,246	147,415	150,031	151,707	138,636
	Household durable goods industries.....	3,494	3,700	3,785	4,025	-5.6	-2.2	-6.0	3,969	4,025	4,175	4,016	4,469

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		July 1986P	June 1986r	May 1986	Apr. 1986	June-JulyP	May-Juner	Apr.-May	July 1986P	June 1986r	May 1986	Apr. 1986	July 1985
	All manufacturing industries..	278,300	278,410	278,352	279,358	0.0	0.0	-0.4	278,126	278,858	280,845	281,358	284,842
	Manufacturing industries with unfilled orders.....	195,085	194,995	195,102	195,686	0.0	-0.1	-0.3	196,112	196,478	197,567	197,215	200,803
	Durable goods industries.....	186,663	187,148	187,637	188,031	-0.3	-0.3	-0.2	186,903	188,023	189,753	189,491	192,382
	With unfilled orders.....	171,677	171,807	171,923	172,285	-0.1	-0.1	-0.2	172,215	172,742	173,894	173,488	177,094
32	Stone, clay, and glass products...	5,621	5,593	5,561	5,551	+0.5	+0.6	+0.2	5,634	5,669	5,725	5,706	5,993
322	Glass containers.....	642	648	638	635	-0.9	+1.6	+0.5	646	658	657	651	613
33	Primary metals.....	16,730	16,883	16,903	17,036	-0.9	-0.1	-0.8	16,740	16,857	17,057	17,125	18,840
331	Blast furnaces, steel mills.....	7,161	7,373	7,484	7,486	-2.9	-1.5	0.0	7,233	7,321	7,447	7,344	8,511
333-9	Nonferrous and other primary metals.....	8,315	8,263	8,171	8,273	+0.6	+1.1	-1.2	8,282	8,288	8,318	8,455	9,096
34	Fabricated metal products.....	18,679	18,832	18,858	19,072	-0.8	-0.1	-1.1	18,805	19,272	19,246	19,401	18,675
341	Metal cans, barrels, and drums..	2,138	2,229	2,148	2,210	-4.1	+3.8	-2.8	2,260	2,485	2,417	2,473	2,371
35	Machinery, except electrical.....	37,158	37,328	38,108	38,409	-0.5	-2.0	-0.8	37,259	37,526	38,588	38,641	41,118
351	Engines and turbines.....	1,941	1,922	1,941	1,936	+1.0	-1.0	+0.3	1,937	1,920	1,962	1,957	2,030
352	Farm machinery and equipment....	1,717	1,678	1,760	1,763	+2.3	-4.7	-0.2	1,690	1,720	1,790	1,809	1,811
353	Construction, mining, and material handling equipment....	5,747	5,776	5,838	5,888	-0.5	-1.1	-0.8	5,718	5,811	5,955	5,970	6,511
354	Metalworking machinery.....	2,746	2,718	2,808	2,737	+1.0	-3.2	+2.6	2,773	2,745	2,833	2,729	2,786
356	General industrial machinery....	3,279	3,236	3,232	3,294	+1.3	+0.1	-1.9	3,282	3,268	3,277	3,330	3,517
357	Office and computing machines...	10,725	11,055	11,612	11,844	-3.0	-4.8	-2.0	10,939	11,099	11,728	11,785	12,985
36	Electrical machinery.....	34,554	34,243	34,004	33,830	+0.9	+0.7	+0.5	34,773	34,667	34,564	34,189	34,708
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,242	4,188	4,195	4,219	+1.3	-0.2	-0.6	4,249	4,235	4,264	4,243	4,553
363	Household appliances.....	2,407	2,438	2,316	2,316	-1.3	+5.3	0.0	2,431	2,565	2,511	2,473	2,557
365	Radio and TV.....	1,667	1,635	1,579	1,540	+2.0	+3.5	+2.5	1,730	1,689	1,614	1,531	1,453
366	Communication equipment.....	15,232	15,048	15,002	14,859	+1.2	+0.3	+1.0	15,294	15,041	15,116	14,948	14,822
367	Electronic components.....	5,939	5,965	5,985	5,958	-0.4	-0.3	+0.5	5,987	6,019	6,009	5,982	6,489
37	Transportation equipment.....	50,057	50,434	50,206	50,030	-0.7	+0.5	+0.4	49,690	49,989	50,308	50,156	48,440
371	Motor vehicles and parts.....	10,895	10,856	11,204	11,279	+0.4	-3.1	-0.7	10,413	10,497	11,078	11,249	10,762
372,6	Aircraft, missiles, and parts...	35,765	36,150	35,650	35,488	-1.1	+1.4	+0.5	35,981	36,141	35,949	35,681	34,675
3731,95	Shipbuilding and military tank vehicles.....	1,679	1,634	1,599	1,624	+2.8	+2.2	-1.5	1,682	1,643	1,597	1,622	1,438
38	Instruments and related products..	9,541	9,507	9,542	9,463	+0.4	-0.4	+0.8	9,623	9,681	9,704	9,587	9,768
381-4	Scientific and engineering instruments.....	6,667	6,654	6,705	6,619	+0.2	-0.8	+1.3	6,714	6,767	6,792	6,718	7,030
386	Photographic goods.....	2,239	2,216	2,217	2,222	+1.0	0.0	-0.2	2,264	2,260	2,277	2,235	2,097
24,25, 39	All other durable goods.....	14,323	14,328	14,455	14,640	0.0	-0.9	-1.3	14,379	14,362	14,561	14,686	14,840
	Nondurable goods industries.....	91,637	91,262	90,715	91,327	+0.4	+0.6	-0.7	91,223	90,835	91,092	91,867	92,460
	With unfilled orders.....	23,408	23,188	23,179	23,401	+0.9	0.0	-0.9	23,897	23,736	23,673	23,727	23,709
20	Food and kindred products.....	21,762	21,288	21,063	21,232	+2.2	+1.1	-0.8	20,788	20,050	20,252	20,670	20,499
201	Meat products.....	2,308	2,154	2,093	2,087	+7.1	+2.9	+0.3	2,232	2,154	2,183	2,216	2,248
208	Beverages.....	3,573	3,470	3,395	3,417	+3.0	+2.2	-0.6	3,473	3,460	3,470	3,516	3,456
207	Fats and oils.....	1,031	991	968	1,005	+4.0	+2.4	-3.7	892	919	919	989	1,033
203-6,9	All other foods.....	13,127	12,942	12,882	12,982	+1.4	+0.5	-0.8	12,418	11,751	11,903	12,177	11,997
21	Tobacco products.....	3,086	3,057	3,202	3,223	+0.9	-4.5	-0.7	2,796	2,886	3,125	3,275	3,005
22	Textile mill products.....	6,487	6,617	6,535	6,622	-2.0	+1.3	-1.3	6,529	6,709	6,732	6,744	6,704
26	Paper and allied products.....	9,942	9,825	9,757	9,763	+1.2	+0.7	-0.1	9,998	9,993	9,987	9,963	9,588
261-3,6	Pulp, paper etc.....	3,913	3,882	3,883	3,901	+0.8	0.0	-0.5	3,915	3,918	3,952	3,945	3,762
265	Paperboard containers.....	2,264	2,259	2,255	2,280	+0.2	+0.2	-1.1	2,307	2,315	2,300	2,323	2,306
264	All other paper products.....	3,765	3,684	3,619	3,582	+2.2	+1.8	+1.0	3,776	3,760	3,735	3,695	3,520
28	Chemicals and allied products.....	22,337	22,203	21,499	21,631	+0.6	+3.3	-0.6	22,327	22,023	21,678	21,960	21,890
281,6	Industrial chemicals, except pigments.....	6,673	6,702	6,508	6,554	-0.4	+3.0	-0.7	6,706	6,689	6,573	6,626	6,666
283,4	Drugs, soaps, and toiletries....	7,339	7,180	7,057	7,089	+2.2	+1.7	-0.5	7,376	7,288	7,240	7,210	6,980
29	Petroleum and coal products.....	5,833	6,161	6,302	6,265	-5.3	-2.2	+0.6	5,839	6,071	6,212	6,214	7,742
30	Rubber and plastics products.....	6,261	6,271	6,350	6,322	-0.2	-1.2	+0.4	6,273	6,401	6,533	6,593	6,151
23,27, 31	All other nondurable goods.....	15,929	15,840	16,007	16,269	+0.6	-1.0	-1.6	16,673	16,702	16,573	16,448	16,881
	Market categories:												
	Home goods and apparel.....	22,294	22,366	22,219	22,504	-0.3	+0.7	-1.3	22,940	23,350	23,149	22,827	23,008
	Consumer staples.....	34,969	34,188	34,067	34,292	+2.3	+0.4	-0.7	33,991	33,072	33,444	33,965	33,140
	Equipment and defense products, except automotive.....	82,837	82,840	83,287	83,160	0.0	-0.5	+0.2	83,029	83,112	84,139	83,783	86,311
	Automotive equipment.....	13,182	13,237	13,594	13,533	-0.4	-2.6	+0.5	12,581	12,830	13,464	13,531	13,029
	Construction materials, supplies and intermediate products.....	18,495	18,651	18,914	19,075	-0.8	-1.4	-0.8	18,497	18,822	19,108	19,316	19,253
	Other materials, supplies, and intermediate products.....	106,523	107,128	106,271	106,794	-0.6	+0.8	-0.5	107,088	107,672	107,541	107,936	110,101
	Supplementary series:[2]												
	Capital goods industries.....	96,737	96,956	96,990	96,928	-0.2	0.0	+0.1	97,202	97,395	98,111	97,555	98,804
	Nondefense.....	68,600	68,839	69,236	69,363	-0.3	-0.6	-0.2	68,642	68,905	69,885	69,811	73,106
	Defense.....	28,137	28,117	27,754	27,565	+0.1	+1.3	+0.7	28,560	28,490	28,226	27,744	25,698
	Household durable goods industries.....	11,560	11,460	11,252	11,351	+0.9	+1.8	-0.9	11,777	11,776	11,619	11,521	11,703

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: July 1986p	June 1986r	May 1986	Apr. 1986	Percent change: June-July p	May-June r	Apr.-May	Not seasonally adjusted[1]: End of month: July 1986p	June 1986r	May 1986	Apr. 1986	July 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,823	86,848	86,276	86,942	0.0	+0.7	-0.8	86,740	86,521	86,456	87,205	90,089
	Durable goods industries.....	51,280	51,559	51,387	51,864	-0.5	+0.3	-0.9	51,400	51,392	51,347	51,679	54,380
32	Stone, clay, and glass products...	1,750	1,742	1,758	1,759	+0.5	-0.9	-0.1	1,754	1,737	1,748	1,759	1,885
33	Primary metals.....	4,836	4,772	4,787	4,835	+1.3	-0.3	-1.0	4,792	4,694	4,671	4,677	5,575
34	Fabricated metal products.....	7,108	7,296	7,095	7,110	-2.6	+2.8	-0.2	7,172	7,306	7,137	7,172	7,154
35	Machinery, except electrical.....	10,262	10,387	10,297	10,506	-1.2	+0.9	-2.0	10,315	10,415	10,404	10,554	11,754
36	Electrical Machinery.....	7,921	7,955	7,900	7,825	-0.4	+0.7	+1.0	8,068	8,009	7,945	7,905	8,573
37	Transportation equipment.....	11,386	11,374	11,480	11,682	+0.1	-0.9	-1.7	11,284	11,361	11,524	11,637	11,188
38	Instruments and related products..	2,680	2,642	2,677	2,663	+1.4	-1.3	+0.5	2,681	2,653	2,679	2,673	2,771
24,25, 39	All other durable goods.....	5,337	5,391	5,393	5,484	-1.0	0.0	-1.7	5,334	5,217	5,239	5,302	5,480
	Nondurable goods industries.....	35,543	35,289	34,889	35,078	+0.7	+1.1	-0.5	35,340	35,129	35,109	35,526	35,709
20	Food and kindred products.....	7,908	7,781	7,516	7,522	+1.6	+3.5	-0.1	7,574	7,468	7,467	7,635	7,324
21	Tobacco products.....	2,552	2,499	2,677	2,646	+2.1	-6.6	+1.2	2,335	2,430	2,645	2,732	2,603
22	Textile mill products.....	2,008	2,112	2,052	2,123	-4.9	+2.9	-3.3	2,059	2,156	2,120	2,159	2,109
26	Paper and allied products.....	4,878	4,860	4,860	4,841	+0.4	0.0	+0.4	4,914	4,902	4,861	4,879	4,656
28	Chemicals and allied products.....	8,368	8,259	7,852	7,738	+1.3	+5.2	+1.5	8,436	8,183	7,925	7,808	8,280
29	Petroleum and coal products.....	1,649	1,659	1,649	1,849	-0.6	+0.6	-10.8	1,665	1,703	1,758	1,903	1,942
30	Rubber and plastics products.....	2,179	2,269	2,268	2,271	-4.0	0.0	-0.1	2,205	2,290	2,288	2,309	2,087
23,27, 31	All other nondurable goods.....	6,001	5,850	6,015	6,088	+2.6	-2.7	-1.2	6,152	5,997	6,045	6,101	6,708
	WORK IN PROCESS												
	All manufacturing industries..	104,136	104,856	104,411	104,615	-0.7	+0.4	-0.2	104,113	104,699	105,287	105,386	105,562
	Durable goods industries.....	90,406	90,918	90,714	90,825	-0.6	+0.2	-0.1	90,308	90,890	91,456	91,465	91,245
32	Stone, clay, and glass products...	765	732	723	737	+4.5	+1.2	-1.9	750	750	750	769	819
33	Primary metals.....	6,877	6,969	6,960	7,026	-1.3	+0.1	-0.9	6,946	6,931	7,041	7,070	7,655
34	Fabricated metal products.....	6,768	6,765	6,890	7,001	0.0	-1.8	-1.6	6,883	6,992	7,070	7,140	6,811
35	Machinery, except electrical.....	15,032	15,338	15,418	15,800	-2.0	-0.5	-2.4	14,900	15,303	15,563	15,904	16,349
36	Electrical Machinery.....	20,147	19,954	19,851	19,759	+1.0	+0.5	+0.5	20,197	20,110	20,105	19,881	19,546
37	Transportation equipment.....	33,599	33,960	33,593	33,212	-1.1	+1.1	+1.1	33,364	33,513	33,585	33,351	32,231
38	Instruments and related products..	3,944	3,985	4,061	3,972	-1.0	-1.9	+2.2	3,974	4,070	4,105	4,024	4,205
24,25, 39	All other durable goods.....	3,274	3,215	3,218	3,318	+1.8	-0.1	-3.0	3,294	3,221	3,237	3,326	3,629
	Nondurable goods industries.....	13,730	13,938	13,697	13,790	-1.5	+1.8	-0.7	13,805	13,809	13,831	13,921	14,317
20	Food and kindred products.....	1,728	1,616	1,593	1,641	+6.9	+1.4	-2.9	1,660	1,587	1,591	1,643	1,621
21	Tobacco products.....	258	334	249	289	-22.8	+34.1	-13.8	201	214	195	224	157
22	Textile mill products.....	1,928	1,949	1,960	1,935	-1.1	-0.6	+1.3	1,904	1,916	1,972	1,952	1,907
26	Paper and allied products.....	1,152	1,090	1,107	1,116	+5.7	-1.5	-0.8	1,170	1,113	1,122	1,114	1,144
28	Chemicals and allied products.....	3,462	3,481	3,396	3,410	-0.5	+2.5	-0.4	3,487	3,484	3,458	3,438	3,669
29	Petroleum and coal products.....	771	881	867	856	-12.5	+1.6	+1.3	789	898	899	895	1,314
30	Rubber and plastics products.....	1,185	1,153	1,209	1,165	+2.8	-4.6	+3.8	1,203	1,143	1,186	1,189	1,198
23,27, 31	All other nondurable goods.....	3,246	3,434	3,316	3,378	-5.5	+3.6	-1.8	3,391	3,454	3,408	3,466	3,307
	FINISHED GOODS												
	All manufacturing industries..	87,341	86,706	87,665	87,801	+0.7	-1.1	-0.2	87,273	87,638	89,102	88,767	89,191
	Durable goods industries.....	44,977	44,671	45,536	45,342	+0.7	-1.9	+0.4	45,195	45,741	46,950	46,347	46,757
32	Stone, clay, and glass products...	3,106	3,119	3,080	3,055	-0.4	+1.3	+0.8	3,130	3,182	3,227	3,178	3,289
33	Primary metals.....	5,017	5,142	5,156	5,175	-2.4	-0.3	-0.4	5,002	5,232	5,345	5,378	5,610
34	Fabricated metal products.....	4,803	4,771	4,873	4,961	+0.7	-2.1	-1.8	4,750	4,974	5,039	5,089	4,710
35	Machinery, except electrical.....	11,864	11,603	12,393	12,103	+2.2	-6.4	+2.4	12,044	11,808	12,621	12,183	13,015
36	Electrical Machinery.....	6,486	6,334	6,253	6,246	+2.4	+1.3	+0.1	6,508	6,548	6,514	6,403	6,589
37	Transportation equipment.....	5,072	5,100	5,133	5,136	-0.5	-0.6	-0.1	5,042	5,115	5,199	5,168	5,021
38	Instruments and related products..	2,917	2,880	2,804	2,828	+1.3	+2.7	-0.8	2,968	2,958	2,920	2,890	2,792
24,25, 39	All other durable goods.....	5,712	5,722	5,844	5,838	-0.2	-2.1	+0.1	5,751	5,924	6,085	6,058	5,731
	Nondurable goods industries.....	42,364	42,035	42,129	42,459	+0.8	-0.2	-0.8	42,078	41,897	42,152	42,420	42,434
20	Food and kindred products.....	12,126	11,891	11,954	12,069	+2.0	-0.5	-1.0	11,554	10,995	11,194	11,392	11,554
21	Tobacco products.....	276	224	276	288	+23.2	-18.8	-4.2	260	242	285	319	245
22	Textile mill products.....	2,551	2,556	2,523	2,564	-0.2	+1.3	-1.6	2,566	2,637	2,640	2,633	2,688
26	Paper and allied products.....	3,912	3,875	3,790	3,806	+1.0	+2.2	-0.4	3,914	3,978	4,004	3,970	3,788
28	Chemicals and allied products.....	10,507	10,463	10,251	10,483	+0.4	+2.1	-2.2	10,404	10,356	10,295	10,714	9,941
29	Petroleum and coal products.....	3,413	3,621	3,786	3,560	-5.7	-4.4	+6.3	3,385	3,470	3,555	3,416	4,486
30	Rubber and plastics products.....	2,897	2,849	2,873	2,886	+1.7	-0.8	-0.5	2,865	2,968	3,059	3,095	2,866
23,27, 31	All other nondurable goods.....	6,682	6,556	6,676	6,803	+1.9	-1.8	-1.9	7,130	7,251	7,120	6,881	6,866

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		July 1986p	June 1986r	May 1986	Apr. 1986	July 1986p	June 1986r	May 1986	Apr. 1986
	All manufacturing industries	1.43	1.44	1.44	1.42	3.36	3.36	3.46	3.39
	Durable goods industries	1.77	1.79	1.81	1.76	4.12	4.13	4.23	4.14
32	Stone, clay, and glass products	1.15	1.15	1.13	1.09	0.59	0.61	0.59	0.59
33	Primary metals	1.74	1.78	1.72	1.68	1.91	2.00	1.94	1.99
34	Fabricated metal products	1.29	1.33	1.33	1.31	1.43	1.47	1.49	1.46
35	Machinery, except electrical	2.17	2.13	2.27	2.14	3.43	3.36	3.56	3.36
36	Electrical machinery	2.15	2.10	2.19	2.18	5.29	5.16	5.33	5.38
37	Transportation equipment	1.83	1.95	1.89	1.82	10.27	10.99	10.98	10.64
38	Instruments and related products	2.04	2.03	2.05	2.05	1.79	1.79	1.84	1.83
	Nondurable goods industries	1.03	1.02	1.01	1.02	0.48	0.47	0.50	0.49
20	Food and kindred products	0.82	0.84	0.82	0.84	(X)	(X)	(X)	(X)
21	Tobacco products	2.07	1.44	1.56	2.05	(X)	(X)	(X)	(X)
22	Textile mill products	1.45	1.50	1.54	1.48	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.07	1.08	1.10	1.09	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.25	1.28	1.24	1.18	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.54	0.55	0.50	0.51	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.62	1.57	1.57	1.57	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1985	All Julys 1981-1985	July 1985-June 1986	Year ago July 1985	All Julys 1981-1985	July 1985-June 1986	Year ago July 1985	All Julys 1981-1985	July 1985-June 1986	Year ago July 1985	All Julys 1981-1985	July 1985-June 1986
	All manufacturing industries	0.0	0.3	0.2	0.1	0.5	0.3	0.1	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.0	0.4	0.3	0.0	0.9	0.5	0.0	0.1	0.1	0.1	0.0	0.1
32	Stone, clay, and glass products	0.2	0.9	1.2	0.4	1.3	1.2	0.3	1.0	0.8	0.2	0.5	0.2
33	Primary metals	0.3	1.3	0.8	0.3	0.9	0.9	0.0	0.5	0.4	0.4	0.3	0.2
34	Fabricated metal products	0.0	0.6	0.8	0.3	1.2	1.2	0.2	0.4	0.5	0.5	0.3	0.6
35	Machinery, except electrical	1.2	0.9	0.6	0.9	2.5	1.2	0.1	0.5	0.2	0.0	0.1	0.1
36	Electrical machinery	0.2	0.5	0.9	1.5	0.8	1.5	0.2	0.1	0.2	0.1	0.1	0.2
37	Transportation equipment	0.0	0.4	0.3	0.1	0.4	1.3	0.0	0.0	0.2	0.1	0.1	0.1
38	Instruments and related products	0.3	0.8	0.9	2.6	2.8	1.3	1.3	1.1	0.4	0.3	0.3	0.4
	Nondurable goods industries	0.0	0.3	0.3	0.1	0.4	0.3	1.2	0.6	0.4	0.1	0.2	0.2
20	Food and kindred products	0.7	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.3
21	Tobacco products	0.0	0.6	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.6	0.1
22	Textile mill products	1.7	1.7	1.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.5	1.0
26	Paper and allied products	0.5	0.8	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.2
28	Chemicals and allied product	0.3	1.1	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.4
29	Petroleum and coal products	0.7	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.5	0.6	0.7
30	Rubber and plastics products	0.4	0.9	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.7	0.6
	Capital goods industries:												
	Nondefense	1.0	0.7	0.6	0.8	1.8	0.7	0.1	0.2	0.1	0.0	0.1	0.1
	Defense	0.3	0.8	0.7	0.6	1.1	3.4	0.0	0.1	0.2	0.2	0.4	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C3.158:
M3-1(86)-8

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

August 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(86)-8
For Wire Transmission 10:00 a.m. E.D.T. Wednesday, October 1, 1986

(All Figures in text are in seasonally adjusted current dollars)

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
DEC 19 1986
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

SUMMARY. New orders for manufactured goods in August decreased $2.8 billion or 1.4 percent to $191.8 billion, offsetting last month's revised increase of 1.4 percent. A large decline in defense capital goods orders caused most of the August decline; excluding defense, manufacturers' new orders were about the same as July.

Shipments of manufactured goods in August declined $0.3 billion or 0.2 percent to $193.0 billion. Shipments have been virtually unchanged since May.

Manufacturers' unfilled orders in August declined $1.2 billion or 0.3 percent to $364.7 billion; excluding defense capital goods, the decline was 0.5 percent. Excluding the defense backlog, unfilled orders were estimated at $215.5 billion and have shown a downward trend since the $236.4 billion in July 1984.

Manufacturers' inventories in August declined $0.5 billion or 0.2 percent to $278.1 billion. The inventory to shipments ratio in August was 1.44, unchanged since May.

NEW ORDERS. The August decline in new orders was concentrated in the durable goods sector, which declined $3.3 billion or 3.1 percent to $102.9 billion. Transportation equipment was down $2.5 billion or 8.9 percent to $25.8 billion with most of the decrease due to declines in defense orders for aircraft and parts, shipbuilding, and tanks.

Both electrical and nonelectrical machinery were down in August. The electrical category declined $1.0 billion or 6.1 percent to $15.9 billion with the largest decrease in defense communication equipment. The nonelectrical category declined $0.6 billion or 3.3 percent to $16.7 billion.

New orders for primary metals increased $1.2 billion or 12.9 percent to $10.2 billion. The steel industry accounted for about two-thirds of the increase.

SHIPMENTS. The decline in shipments in August of 0.2 percent resulted from a $1.0 billion or 1.0 percent decline in durables more than offsetting a $0.7 billion or 0.8 percent increase in nondurables. Durable goods industries showing the largest declines were nonelectrical machinery, down $0.7 billion or 3.9 percent to $16.4 billion, transportation equipment, down $0.5 billion or 2.0 percent to $26.8 billion, and primary metals, down $0.3 billion or 3.0 percent to $9.4 billion. The only major increase was in electrical machinery, up $0.7 billion or 4.4 percent to $16.9 billion.

The increase in nondurable shipments of 0.8 percent was caused mostly by chemicals, up $0.4 billion or 2.3 percent to $18.0 billion, and tobacco, up $0.3 billion or 19.5 percent to $1.8 billion.

UNFILLED ORDERS. The decline in unfilled orders of 0.3 percent resulted mostly from declines in transportation equipment and electrical machinery, more than offsetting a large increase in primary metals. Transportation equipment declined $0.9 billion or 0.6 percent to $158.7 billion, with the largest decreases in nondefense aircraft and parts. The decline in electrical machinery was $1.0 billion or 1.1 percent to $84.1 billion, because of declines in communication equipment and electronic components. Primary metals increased $0.9 billion or 4.7 percent to $19.2 billion, with the total increase in the steel industry.

INVENTORIES. Inventories of durable and nondurable goods each declined 0.2 percent, durables down to $186.6 billion and nondurables down to $91.6 billion. The industry with the largest change was the steel industry where inventories declined $0.3 billion or 4.7 percent to $6.8 billion. Inventories by stage of fabrication showed little change from July.

SCHEDULED RELEASE DATES. The advance report on durable goods for September is scheduled for release on October 23, 1986 at 8:30 a.m. and the full report on October 31, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334-2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763-2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1986p	July 1986r	June 1986	May 1986	July-Aug.p	June July r	May-June	Aug. 1986p	July 1986r	June 1986	May 1986	1986p	1985
	All manufacturing industries	192,998	193,294	193,642	193,068	-0.2	-0.2	+0.3	190,462	178,616	206,929	195,769	1,548,573	1,544,817
	Manufacturing industries with unfilled orders	107,109	108,326	108,581	105,976	-1.1	-0.2	+2.5	105,402	98,950	116,042	107,157	852,314	834,427
	Durable goods industries	103,967	104,980	104,553	103,672	-1.0	+0.4	+0.8	100,376	95,007	114,059	106,469	834,904	818,448
	With unfilled orders	84,499	85,736	85,643	84,162	-1.4	+0.1	+1.8	82,379	77,887	92,735	85,437	676,398	668,699
32	Stone, clay, and glass products	4,846	4,876	4,873	4,942	-0.6	+0.1	-1.4	5,158	4,824	5,363	5,108	39,437	38,148
322	Glass containers	435	445	414	412	-2.2	+7.5	+0.5	471	441	462	431	3,497	3,267
33	Primary metals	9,361	9,646	9,484	9,852	-3.0	+1.7	-3.7	9,186	8,778	10,171	10,262	80,033	85,661
331	Blast furnaces, steel mills	3,637	4,146	3,886	4,066	-12.3	+6.7	-4.4	3,542	3,781	4,216	4,180	32,882	35,804
333-9	Nonferrous and other primary metals	4,606	4,307	4,435	4,651	+6.9	-2.9	-4.6	4,532	3,958	4,666	4,828	37,427	39,917
34	Fabricated metal products	13,912	14,044	14,199	14,145	-0.9	-1.1	+0.4	14,165	13,114	15,353	14,552	113,193	110,491
341	Metal cans, barrels, and drums	920	933	957	988	-1.4	-2.5	-3.1	1,088	1,017	1,084	1,024	7,646	7,913
35	Machinery, except electrical	16,438	17,111	17,535	16,784	-3.9	-2.4	+4.5	15,223	15,466	19,353	16,903	135,352	139,708
351	Engines and turbines	1,159	1,088	1,241	1,199	+6.5	-12.3	+3.5	1,063	968	1,377	1,229	9,802	9,968
352	Farm machinery and equipment	834	725	825	807	+15.0	-12.1	+2.2	679	585	907	911	6,730	6,915
353	Construction, mining, and material handling equipment	2,506	2,872	2,713	2,882	-12.7	+5.9	-5.9	2,283	2,820	2,965	2,960	22,924	22,223
354	Metalworking machinery	790	808	915	838	-2.2	-11.7	+9.2	741	709	961	817	6,679	6,673
356	General industrial machinery	1,322	1,551	1,487	1,396	-14.8	+4.3	+6.5	1,330	1,436	1,533	1,416	11,662	11,042
357	Office and computing machines	4,020	4,170	4,572	3,940	-3.6	-8.8	+16.0	3,739	3,478	5,166	3,633	30,072	34,986
36	Electrical machinery	16,880	16,172	16,316	15,520	+4.4	-0.9	+5.1	16,371	14,643	17,537	15,504	126,129	120,099
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,137	2,170	2,117	2,078	-1.5	+2.5	+1.9	2,063	1,891	2,277	2,071	16,755	16,189
363	Household appliances	1,522	1,551	1,489	1,407	-1.9	+4.2	+5.8	1,616	1,535	1,636	1,422	11,704	11,329
365	Radio and TV	1,132	1,092	1,031	957	+3.7	+5.9	+7.7	1,106	988	1,196	877	7,997	6,999
366	Communication equipment	5,821	5,140	5,478	5,068	+13.2	-6.2	+8.1	5,515	4,659	5,917	5,123	41,934	39,808
367	Electronic components	3,377	3,288	3,253	3,253	+2.7	+1.1	0.0	3,299	2,982	3,451	3,328	26,242	26,314
37	Transportation equipment	26,758	27,297	25,887	26,610	-2.0	+5.4	-2.7	23,994	23,494	29,019	28,219	215,454	204,886
371	Motor vehicles and parts	16,979	16,884	16,455	16,992	+0.6	+2.6	-3.2	14,957	13,968	18,830	18,574	140,757	134,682
372,6	Aircraft, missiles, and parts	8,057	8,750	7,925	8,106	-7.9	+10.4	-2.2	7,454	7,980	8,607	8,069	62,090	56,800
3731,95	Shipbuilding and military tank vehicles	754	710	700	716	+6.2	+1.4	-2.2	728	693	729	721	5,576	6,623
38	Instruments and related products	4,776	4,755	4,680	4,648	+0.4	+1.6	+0.7	4,698	4,363	5,023	4,569	36,870	37,201
381-4	Scientific and engineering instruments	3,188	3,089	3,103	3,090	+3.2	-0.5	+0.4	3,124	2,783	3,289	3,019	24,339	24,501
386	Photographic goods	1,399	1,474	1,415	1,388	-5.1	+4.2	+1.9	1,381	1,396	1,561	1,374	11,094	11,167
24,25, 39	All other durable goods	10,996	11,079	11,579	11,171	-0.7	-4.3	+3.7	11,581	10,325	12,240	11,352	88,436	82,254
	Nondurable goods industries	89,031	88,314	89,089	89,396	+0.8	-0.9	-0.3	90,086	83,609	92,870	89,300	713,669	726,369
	With unfilled orders	22,610	22,590	22,938	21,814	+0.1	-1.5	+5.2	23,023	21,063	23,307	21,720	175,916	165,728
20	Food and kindred products	26,213	26,420	25,490	25,791	-0.8	+3.6	-1.2	26,195	24,971	26,698	25,708	202,533	195,877
201	Meat products	6,087	5,983	5,683	5,402	+1.7	+5.3	+5.2	6,288	5,780	5,802	5,478	44,743	45,105
208	Beverages	3,987	3,934	3,876	4,091	+1.3	+1.5	-5.3	4,262	4,217	4,457	4,381	32,445	30,573
207	Fats and oils	1,075	958	998	1,134	+12.2	-4.0	-12.0	1,048	914	1,013	1,122	8,367	9,229
203-6,9	All other foods	11,678	12,170	11,674	11,832	-4.0	+4.2	-1.3	11,211	10,685	12,001	11,335	90,710	84,954
21	Tobacco products	1,781	1,491	2,127	2,057	+19.5	-29.9	+3.4	1,882	1,373	2,331	1,985	13,799	13,019
22	Textile mill products	4,650	4,592	4,398	4,255	+1.3	+4.4	+3.4	4,858	3,925	4,814	4,328	35,489	34,189
26	Paper and allied products	9,337	9,317	9,125	8,853	+0.2	+2.1	+3.1	9,524	8,821	9,532	8,886	71,899	65,361
261-3,6	Pulp, paper etc	3,913	4,025	3,836	3,686	-2.8	+4.9	+4.1	3,941	3,771	4,035	3,771	30,334	28,090
265	Paperboard containers	1,846	1,827	1,825	1,808	+1.0	+0.1	+0.9	1,892	1,732	1,902	1,808	14,584	14,614
264	All other paper products	3,578	3,465	3,464	3,359	+3.3	0.0	+3.1	3,691	3,318	3,595	3,307	26,981	22,657
28	Chemicals and allied products	18,043	17,635	17,346	17,273	+2.3	+1.7	+0.4	17,571	16,195	18,508	17,912	143,666	144,513
281,6	Industrial chemicals, except pigments	5,975	5,807	5,708	5,680	+2.9	+1.7	+0.5	5,867	5,459	6,050	5,771	47,218	47,858
283,4	Drugs, soaps, and toiletries	5,082	5,048	5,199	5,064	+0.7	-2.9	+2.7	5,118	4,563	5,552	4,791	40,034	36,445
29	Petroleum and coal products	10,817	10,677	11,278	12,629	+1.3	-5.3	-10.7	10,960	10,731	11,643	12,573	99,555	127,950
30	Rubber and plastics products	3,806	3,759	4,002	4,044	+1.3	-6.1	-1.0	3,926	3,619	4,315	4,036	31,607	32,348
23,27, 31	All other nondurable goods	14,384	14,423	15,323	14,494	-0.3	-5.9	+5.7	15,170	13,974	15,029	13,872	115,121	113,112
	Market categories:													
	Home goods and apparel	13,333	13,454	14,057	13,208	-0.9	-4.3	+6.4	14,523	12,480	14,586	12,586	106,331	103,634
	Consumer staples	37,179	37,193	37,350	36,956	0.0	-0.4	+1.1	37,239	35,083	39,034	36,507	288,351	273,372
	Equipment and defense products, except automotive	30,536	30,434	30,751	29,679	+0.3	-1.0	+3.6	28,821	27,571	33,441	29,597	236,536	235,632
	Automotive equipment	18,832	18,748	18,274	18,744	+0.4	+2.6	-2.5	16,828	15,783	20,820	20,449	155,812	150,371
	Construction materials, supplies and intermediate products	17,810	17,901	18,216	18,286	-0.5	-1.7	-0.4	18,766	17,746	19,926	18,937	144,512	136,491
	Other materials, supplies, and intermediate products	75,308	75,564	74,994	76,195	-0.3	+0.8	-1.6	74,285	69,953	79,122	77,693	617,031	645,317
	Supplementary series:[2]													
	Capital goods industries	34,776	35,503	35,207	34,068	-2.0	+0.8	+3.3	32,624	32,170	38,247	33,908	270,368	264,716
	Nondefense	27,268	27,420	27,243	26,582	-0.6	+0.6	+2.5	25,408	24,711	29,922	26,401	211,340	211,665
	Defense	7,508	8,083	7,964	7,486	-7.1	+1.5	+6.4	7,216	7,459	8,325	7,507	59,028	53,051
	Household durable goods industries	6,892	6,940	7,374	6,711	-0.7	-5.9	+9.9	7,207	6,142	7,749	6,539	53,867	50,754

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1986p	July 1986r	June 1986	May 1986	July-Aug.p	June-Julyr	May-June	Aug. 1986p	July 1986r	June 1986	May 1986	1986p	1985
	All manufacturing industries	191,776	194,560	191,795	192,122	-1.4	+1.4	-0.2	185,935	177,464	201,600	191,789	1,547,091	1,550,973
	Manufacturing industries with unfilled orders	105,887	109,592	106,734	105,030	-3.4	+2.7	+1.6	100,875	97,798	110,713	103,177	850,832	840,582
	Durable goods industries	102,885	106,220	102,730	102,624	-3.1	+3.4	+0.1	96,060	93,742	108,946	102,415	833,135	824,252
	With unfilled orders	83,417	86,976	83,820	83,114	-4.1	+3.8	+0.8	78,063	76,622	87,622	81,383	674,629	674,503
32	Stone, clay, and glass products	4,892	4,809	4,927	4,840	+1.7	-2.4	+1.8	5,139	4,775	5,380	5,053	39,522	38,286
33	Primary metals	10,229	9,060	9,323	8,831	+12.9	-2.8	+5.6	9,913	8,088	9,390	8,768	79,691	86,588
331	Blast furnaces, steel mills	4,448	3,678	3,822	3,443	+20.9	-3.8	+11.0	4,303	3,229	3,709	3,309	32,843	36,473
333-9	Nonferrous and other primary metals	4,572	4,285	4,361	4,202	+6.7	-1.7	+3.8	4,505	3,830	4,485	4,232	36,798	39,935
34	Fabricated metal products	13,825	13,993	13,998	14,024	-1.2	0.0	-0.2	13,987	13,020	15,278	14,507	112,727	109,740
35	Machinery, except electrical	16,670	17,233	16,888	16,441	-3.3	+2.0	+2.7	15,235	14,963	18,394	16,629	132,294	140,286
351	Engines and turbines	899	962	1,185	1,115	-6.5	-18.8	+6.3	951	906	1,131	1,239	9,292	9,563
353	Construction, mining, and material handling equipment	2,538	2,624	2,429	2,751	-3.3	+8.0	-11.7	2,240	2,592	2,637	2,828	21,546	22,309
354	Metalworking machinery	704	849	731	872	-17.1	+16.1	-16.2	761	787	816	862	6,584	7,517
356	General industrial machinery	1,316	1,470	1,562	1,509	-10.5	-5.9	+3.5	1,328	1,351	1,570	1,522	11,648	10,967
357	Office and computing machines	4,736	4,632	4,484	3,739	+2.2	+3.3	+19.9	3,939	3,402	5,215	3,621	29,421	35,714
36	Electrical machinery	15,923	16,953	17,913	14,650	-6.1	-5.4	+22.3	15,504	14,859	18,228	14,816	128,397	123,334
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,112	2,230	2,025	1,947	-5.3	+10.1	+4.0	2,063	1,950	2,122	1,899	16,468	16,108
363	Household appliances	1,519	1,560	1,492	1,414	-2.6	+4.6	+5.5	1,611	1,552	1,629	1,445	11,721	11,395
365	Radio and TV	1,110	1,024	933	844	+8.4	+9.8	+10.5	1,185	919	1,166	1,008	7,997	7,160
366	Communication equipment	5,284	5,950	6,997	4,630	-11.2	-15.0	+51.1	5,032	4,840	6,772	4,503	44,609	45,682
367	Electronic components	3,041	3,245	3,448	3,005	-6.3	-5.9	+14.7	2,834	2,970	3,415	3,231	25,841	23,531
37	Transportation equipment	25,834	28,359	23,531	27,933	-8.9	+20.5	-15.8	20,267	23,211	25,134	26,486	214,595	205,236
372,6	Aircraft, missiles, and parts	7,629	9,226	5,303	10,023	-17.3	+74.0	-47.1	4,365	7,182	5,065	7,398	61,232	59,617
3731,95	Shipbuilding and military tank vehicles	550	1,498	974	325	-63.3	+53.8	+199.7	358	1,222	537	72	6,004	4,638
38	Instruments and related products	4,651	4,820	4,530	4,729	-3.5	+6.4	-4.2	4,575	4,414	4,967	4,591	36,668	37,662
24,25, 39	All other durable goods	10,861	10,993	11,620	11,176	-1.2	-5.4	+4.0	11,440	10,412	12,175	11,565	89,241	83,120
	Nondurable goods industries	88,891	88,340	89,065	89,498	+0.6	-0.8	-0.5	89,875	83,722	92,654	89,374	713,956	726,721
	With unfilled orders	22,470	22,616	22,914	21,916	-0.6	-1.3	+4.6	22,812	21,176	23,091	21,794	176,203	166,079
	Market categories:													
	Home goods and apparel	13,312	13,273	13,944	12,963	+0.3	-4.8	+7.6	14,501	12,472	14,387	12,767	107,255	104,813
	Consumer staples	37,133	37,198	37,284	36,918	-0.2	-0.2	+1.0	37,232	35,118	38,964	36,434	288,355	273,355
	Equipment and defense products, except automotive	29,661	32,404	30,495	29,954	-8.5	+6.3	+1.8	25,197	26,847	31,143	27,876	234,836	239,989
	Automotive equipment	18,551	18,631	18,286	18,530	-0.4	+1.9	-1.3	16,592	15,839	20,690	20,031	155,424	149,987
	Construction materials, supplies and intermediate products	17,802	17,980	18,106	18,326	-1.0	-0.7	-1.2	18,683	17,817	19,822	19,049	144,657	136,638
	Other materials, supplies, and intermediate products	75,317	75,074	73,680	75,431	+0.3	+1.9	-2.3	73,730	69,371	76,594	75,632	616,564	646,191
	Supplementary series:[2]													
	Capital goods industries	33,741	37,544	33,674	34,575	-10.1	+11.5	-2.6	28,626	31,409	34,383	31,468	269,251	271,419
	Nondefense	26,287	27,387	26,421	26,145	-4.0	+3.7	+1.1	24,225	24,314	28,674	25,637	208,825	210,351
	Defense	7,454	10,157	7,253	8,430	-26.6	+40.0	-14.0	4,401	7,095	5,709	5,831	60,426	61,068
	Household durable goods industries	6,826	6,762	7,289	6,471	+0.9	-7.2	+12.6	7,175	6,120	7,599	6,698	54,658	51,728

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Aug. 1986P	July 1986r	June 1986	May 1986	July-Aug.P	June-Julyr	May-June	Aug. 1986P	July 1986r	June 1986	May 1986	July 1985
	All manufacturing industries..	364,726	365,948	364,682	366,529	-0.3	+0.3	-0.5	359,878	364,405	365,557	370,886	359,096
	Durable goods industries.....	354,030	355,112	353,872	355,695	-0.3	+0.4	-0.5	349,122	353,438	354,703	359,816	348,831
32	Stone, clay, and glass products...	2,694	2,648	2,715	2,661	+1.7	-2.5	+2.0	2,718	2,737	2,786	2,769	2,535
33	Primary metals.....	19,211	18,343	18,929	19,090	+4.7	-3.1	-0.8	18,788	18,061	18,751	19,532	19,431
331	Blast furnaces, steel mills.....	9,151	8,340	8,808	8,872	+9.7	-5.3	-0.7	8,867	8,106	8,658	9,165	9,071
333-9	Nonferrous and other primary metals.....	6,166	6,200	6,222	6,296	-0.5	-0.4	-1.2	6,117	6,144	6,272	6,453	7,134
34	Fabricated metal products.....	19,296	19,383	19,434	19,635	-0.4	-0.3	-1.0	19,491	19,669	19,763	19,838	20,430
35	Machinery, except electrical.....	56,520	56,288	56,166	56,813	+0.4	+0.2	-1.1	55,995	55,983	56,486	57,445	61,550
351	Engines and turbines.....	14,525	14,785	14,911	14,967	-1.8	-0.8	-0.4	14,517	14,629	14,691	14,937	14,757
353	Construction, mining, and material handling equipment....	4,994	4,962	5,210	5,494	+0.6	-4.8	-5.2	4,939	4,982	5,210	5,538	5,978
354	Metalworking machinery.....	3,655	3,741	3,700	3,884	-2.3	+1.1	-4.7	3,783	3,763	3,685	3,830	4,487
356	General industrial machinery....	4,225	4,231	4,312	4,237	-0.1	-1.9	+1.8	4,229	4,231	4,316	4,279	4,586
357	Office and computing machines...	18,630	17,914	17,452	17,540	+4.0	+2.6	-0.5	18,239	18,039	18,115	18,066	20,998
36	Electrical machinery.....	84,087	85,044	84,263	82,666	-1.1	+0.9	+1.9	83,709	84,576	84,360	83,669	81,150
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,444	5,469	5,409	5,501	-0.5	+1.1	-1.7	5,454	5,454	5,395	5,550	6,101
363	Household appliances.....	344	347	338	335	-0.9	+2.7	+0.9	374	379	362	369	429
365	Radio and TV.....	291	313	381	479	-7.0	-17.8	-20.5	438	359	428	458	596
366	Communication equipment.....	60,965	61,502	60,692	59,173	-0.9	+1.3	+2.6	60,208	60,691	60,510	59,655	56,443
367	Electronic components.....	15,430	15,766	15,809	15,614	-2.1	-0.3	+1.2	15,569	16,034	16,046	16,082	16,113
37	Transportation equipment.....	158,651	159,575	158,513	160,869	-0.6	+0.7	-1.5	154,316	158,043	158,326	162,211	148,911
372,6	Aircraft, missiles, and parts...	134,277	134,705	134,229	136,851	-0.3	+0.4	-1.9	130,674	133,763	134,561	138,103	123,354
3731,95	Shipbuilding and military tank vehicles.....	18,644	18,848	18,060	17,786	-1.1	+4.4	+1.5	18,015	18,385	17,856	18,048	18,872
38	Instruments and related products..	8,331	8,456	8,391	8,541	-1.5	+0.8	-1.8	8,402	8,525	8,474	8,530	8,775
24,25, 39	All other durable goods.....	5,240	5,375	5,461	5,420	-2.5	-1.6	+0.8	5,703	5,844	5,757	5,822	6,049
	Nondurable goods industries.....	10,696	10,836	10,810	10,834	-1.3	+0.2	-0.2	10,756	10,967	10,854	11,070	10,265
	Market categories:												
	Home goods and apparel.....	4,012	4,033	4,214	4,327	-0.5	-4.3	-2.6	4,542	4,564	4,572	4,771	5,007
	Consumer staples.....	730	776	771	837	-5.9	+0.6	-7.9	737	744	709	779	616
	Equipment and defense products, except automotive.....	231,657	232,532	230,562	230,818	-0.4	+0.9	-0.1	226,560	230,184	230,908	233,206	224,258
	Automotive equipment.....	5,271	5,552	5,669	5,657	-5.1	-2.1	+0.2	5,166	5,402	5,346	5,476	6,105
	Construction materials, supplies and intermediate products.....	11,959	11,967	11,888	11,998	-0.1	+0.7	-0.9	12,121	12,204	12,133	12,237	12,342
	Other materials, supplies, and intermediate products.....	111,097	111,088	111,578	112,892	0.0	-0.4	-1.2	110,752	111,307	111,889	114,417	110,768
	Supplementary series:[2]												
	Capital goods industries.....	279,840	280,875	278,834	280,367	-0.4	+0.7	-0.5	274,423	278,421	279,182	283,046	270,559
	Nondefense.....	130,619	131,600	131,633	132,455	-0.7	0.0	-0.6	130,187	131,370	131,767	133,015	131,514
	Defense.....	149,221	149,275	147,201	147,912	0.0	+1.4	-0.5	144,236	147,051	147,415	150,031	139,045
	Household durable goods industries.....	3,456	3,522	3,700	3,785	-1.9	-4.8	-2.2	3,971	4,003	4,025	4,175	4,405

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Aug. 1986p	July 1986r	June 1986	May 1986	July-Aug.p	June-Julyr	May-June	Aug. 1986p	July 1986r	June 1986	May 1986	Aug. 1985
	All manufacturing industries..	278,125	278,613	278,410	278,352	-0.2	+0.1	0.0	278,464	278,441	278,858	280,845	284,979
	Manufacturing industries with unfilled orders.....	195,220	195,343	194,995	195,102	-0.1	+0.2	-0.1	196,036	196,374	196,478	197,567	200,734
	Durable goods industries.....	186,564	186,858	187,148	187,637	-0.2	-0.2	-0.3	187,101	187,101	188,023	189,753	192,582
	With unfilled orders.....	171,686	171,854	171,807	171,923	-0.1	0.0	-0.1	172,288	172,396	172,742	173,894	177,020
32	Stone, clay, and glass products...	5,693	5,608	5,593	5,561	+1.5	+0.3	+0.6	5,660	5,621	5,669	5,725	5,791
322	Glass containers.....	640	639	648	638	+0.2	-1.4	+1.6	644	643	658	657	608
33	Primary metals.....	16,268	16,724	16,883	16,903	-2.7	-0.9	-0.1	16,262	16,734	16,857	17,057	18,599
331	Blast furnaces, steel mills.....	6,829	7,164	7,373	7,484	-4.7	-2.8	-1.5	6,890	7,236	7,321	7,447	8,437
333-9	Nonferrous and other primary metals.....	8,241	8,305	8,263	8,171	-0.8	+0.5	+1.1	8,200	8,272	8,288	8,318	8,935
34	Fabricated metal products.....	18,579	18,685	18,832	18,858	-0.6	-0.8	-0.1	18,611	18,811	19,272	19,246	18,649
341	Metal cans, barrels, and drums..	2,124	2,148	2,229	2,148	-1.1	-3.6	+3.8	2,056	2,270	2,485	2,417	2,145
35	Machinery, except electrical.....	37,186	37,220	37,328	38,108	-0.1	-0.3	-2.0	37,244	37,322	37,526	38,588	40,959
351	Engines and turbines.....	1,981	1,942	1,922	1,941	+2.0	+1.0	-1.0	1,946	1,938	1,920	1,962	2,015
352	Farm machinery and equipment....	1,656	1,699	1,678	1,760	-2.5	+1.3	-4.7	1,649	1,672	1,720	1,790	1,816
353	Construction, mining, and material handling equipment....	5,802	5,746	5,776	5,838	+1.0	-0.5	-1.1	5,808	5,717	5,811	5,955	6,499
354	Metalworking machinery.....	2,736	2,741	2,718	2,808	-0.2	+0.8	-3.2	2,766	2,768	2,745	2,833	2,820
356	General industrial machinery....	3,275	3,274	3,236	3,232	0.0	+1.2	+0.1	3,236	3,277	3,268	3,277	3,488
357	Office and computing machines...	10,686	10,760	11,055	11,612	-0.7	-2.7	-4.8	10,878	10,975	11,099	11,728	12,922
36	Electrical machinery.....	34,625	34,570	34,243	34,004	+0.2	+1.0	+0.7	34,825	34,789	34,667	34,564	34,616
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,171	4,206	4,188	4,195	-0.8	+0.4	-0.2	4,183	4,213	4,235	4,264	4,540
363	Household appliances.....	2,381	2,414	2,438	2,316	-1.4	-1.0	+5.3	2,329	2,438	2,565	2,511	2,532
365	Radio and TV.....	1,640	1,659	1,635	1,579	-1.1	+1.5	+3.5	1,730	1,722	1,689	1,614	1,447
366	Communication equipment.....	15,326	15,240	15,048	15,002	+0.6	+1.3	+0.3	15,370	15,302	15,041	15,116	14,890
367	Electronic components.....	6,021	5,941	5,965	5,985	+1.3	-0.4	-0.3	6,051	5,989	6,019	6,009	6,369
37	Transportation equipment.....	50,241	50,061	50,434	50,206	+0.4	-0.7	+0.5	50,374	49,694	49,989	50,308	49,525
371	Motor vehicles and parts.....	10,694	10,892	10,856	11,204	-1.8	+0.3	-3.1	10,789	10,410	10,497	11,078	11,659
372,6	Aircraft, missiles, and parts...	36,134	35,774	36,150	35,650	+1.0	-1.0	+1.4	36,281	35,990	36,141	35,949	34,826
3731,95	Shipbuilding and military tank vehicles.....	1,709	1,679	1,634	1,599	+1.8	+2.8	+2.2	1,668	1,682	1,643	1,597	1,433
38	Instruments and related products..	9,534	9,545	9,507	9,542	-0.1	+0.4	-0.4	9,592	9,627	9,681	9,704	9,704
381-4	Scientific and engineering instruments.....	6,681	6,668	6,654	6,705	+0.2	+0.2	-0.8	6,674	6,715	6,767	6,792	6,990
386	Photographic goods.....	2,224	2,242	2,216	2,217	-0.8	+1.2	0.0	2,284	2,267	2,260	2,277	2,086
24,25, 39	All other durable goods.....	14,438	14,445	14,328	14,455	0.0	+0.8	-0.9	14,533	14,503	14,362	14,561	14,739
	Nondurable goods industries.....	91,561	91,755	91,262	90,715	-0.2	+0.5	+0.6	91,363	91,340	90,835	91,092	92,397
	With unfilled orders.....	23,534	23,489	23,188	23,179	+0.2	+1.3	0.0	23,748	23,978	23,736	23,673	23,714
20	Food and kindred products.....	21,687	21,782	21,288	21,063	-0.4	+2.3	+1.1	21,576	20,806	20,050	20,252	21,325
201	Meat products.....	2,350	2,299	2,154	2,093	+2.2	+6.7	+2.9	2,216	2,223	2,154	2,183	2,204
208	Beverages.....	3,548	3,562	3,470	3,395	-0.4	+2.7	+2.2	3,395	3,462	3,460	3,470	3,406
207	Fats and oils.....	996	1,031	991	968	-3.4	+4.0	+2.4	821	892	919	919	1,034
203-6,9	All other foods.....	13,026	13,175	12,942	12,882	-1.1	+1.8	+0.5	13,352	12,464	11,751	11,903	12,947
21	Tobacco products.....	2,982	3,086	3,057	3,202	-3.4	+0.9	-4.5	2,806	2,796	2,886	3,125	3,030
22	Textile mill products.....	6,349	6,531	6,617	6,535	-2.8	-1.3	+1.3	6,335	6,573	6,709	6,732	6,581
26	Paper and allied products.....	10,107	10,029	9,825	9,757	+0.8	+2.1	+0.7	10,019	10,086	9,993	9,987	9,568
261-3,6	Pulp, paper etc.....	3,882	3,931	3,882	3,883	-1.2	+1.3	0.0	3,873	3,933	3,918	3,952	3,688
265	Paperboard containers.....	2,380	2,298	2,259	2,255	+3.6	+1.7	+0.2	2,378	2,342	2,315	2,300	2,343
264	All other paper products.....	3,845	3,800	3,684	3,619	+1.2	+3.1	+1.8	3,768	3,811	3,760	3,735	3,537
28	Chemicals and allied products.....	22,177	22,252	22,203	21,499	-0.3	+0.2	+3.3	22,065	22,241	22,023	21,678	21,727
281,6	Industrial chemicals, except pigments.....	6,673	6,661	6,702	6,508	+0.2	-0.6	+3.0	6,680	6,694	6,689	6,573	6,699
283,4	Drugs, soaps, and toiletries....	7,402	7,334	7,180	7,057	+0.9	+2.1	+1.7	7,409	7,371	7,288	7,240	6,908
29	Petroleum and coal products.....	5,767	5,852	6,161	6,302	-1.5	-5.0	-2.2	5,783	5,858	6,071	6,212	7,385
30	Rubber and plastics products.....	6,321	6,301	6,271	6,350	+0.3	+0.5	-1.2	6,186	6,313	6,401	6,533	6,107
23,27, 31	All other nondurable goods.....	16,171	15,922	15,840	16,007	+1.6	+0.5	-1.0	16,593	16,667	16,702	16,573	16,674
	Market categories:												
	Home goods and apparel.....	22,509	22,411	22,366	22,219	+0.4	+0.2	+0.7	22,832	23,060	23,350	23,149	22,584
	Consumer staples.....	34,831	34,930	34,188	34,067	-0.3	+2.2	+0.4	34,808	33,949	33,072	33,444	34,078
	Equipment and defense products, except automotive.....	82,885	82,865	82,840	83,287	0.0	0.0	-0.5	82,924	83,058	83,112	84,139	86,159
	Automotive equipment.....	12,994	13,181	13,237	13,594	-1.4	-0.4	-2.6	12,978	12,580	12,830	13,464	13,939
	Construction materials, supplies and intermediate products.....	18,544	18,454	18,651	18,914	+0.5	-1.1	-1.4	18,501	18,455	18,822	19,108	19,092
	Other materials, supplies, and intermediate products.....	106,362	106,772	107,128	106,271	-0.4	-0.3	+0.8	106,421	107,339	107,672	107,541	109,127
	Supplementary series:[2]												
	Capital goods industries.....	97,238	96,834	96,956	96,990	+0.4	-0.1	0.0	97,529	97,300	97,395	98,111	98,811
	Nondefense.....	68,469	68,685	68,839	69,236	-0.3	-0.2	-0.6	68,666	68,728	68,905	69,885	72,804
	Defense.....	28,769	28,149	28,117	27,754	+2.2	+0.1	+1.3	28,863	28,572	28,490	28,226	26,007
	Household durable goods industries.....	11,613	11,638	11,460	11,252	-0.2	+1.6	+1.8	11,808	11,857	11,776	11,619	11,627

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Aug. 1986p	July 1986r	June 1986	May 1986	July-Aug.p	June-Julyr	May-June	Aug. 1986p	July 1986r	June 1986	May 1986	Aug. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,866	87,023	86,848	86,276	-0.2	+0.2	+0.7	86,585	86,942	86,521	86,456	89,891
	Durable goods industries.....	51,216	51,338	51,559	51,387	-0.2	-0.4	+0.3	51,461	51,460	51,392	51,347	54,463
32	Stone, clay, and glass products...	1,760	1,749	1,742	1,758	+0.6	+0.4	-0.9	1,770	1,753	1,737	1,748	1,845
33	Primary metals.....	4,647	4,836	4,772	4,787	-3.9	+1.3	-0.3	4,636	4,792	4,694	4,671	5,592
34	Fabricated metal products.....	6,992	7,101	7,296	7,095	-1.5	-2.7	+2.8	7,003	7,165	7,306	7,137	7,300
35	Machinery, except electrical.....	10,458	10,281	10,387	10,297	+1.7	-1.0	+0.9	10,429	10,335	10,415	10,404	11,679
36	Electrical Machinery.....	7,881	7,961	7,955	7,900	-1.0	+0.1	+0.7	7,949	8,108	8,009	7,945	8,425
37	Transportation equipment.....	11,496	11,395	11,374	11,480	+0.9	+0.2	-0.9	11,633	11,293	11,361	11,524	11,498
38	Instruments and related products..	2,656	2,682	2,642	2,677	-1.0	+1.5	-1.3	2,657	2,683	2,653	2,679	2,726
24,25, 39	All other durable goods.....	5,326	5,333	5,391	5,393	-0.1	-1.1	0.0	5,384	5,331	5,217	5,239	5,398
	Nondurable goods industries.....	35,650	35,685	35,289	34,889	-0.1	+1.1	+1.1	35,124	35,482	35,129	35,109	35,428
20	Food and kindred products.....	7,969	7,963	7,781	7,516	+0.1	+2.3	+3.5	7,558	7,626	7,468	7,467	7,239
21	Tobacco products.....	2,419	2,552	2,499	2,677	-5.2	+2.1	-6.6	2,301	2,335	2,430	2,645	2,610
22	Textile mill products.....	1,947	1,964	2,112	2,052	-0.9	-7.0	+2.9	1,943	2,014	2,156	2,120	2,043
26	Paper and allied products.....	4,963	4,921	4,860	4,860	+0.9	+1.3	0.0	4,920	4,958	4,902	4,861	4,680
28	Chemicals and allied products.....	8,403	8,382	8,259	7,852	+0.3	+1.5	+5.2	8,419	8,450	8,183	7,925	8,167
29	Petroleum and coal products.....	1,647	1,627	1,659	1,649	+1.2	-1.9	+0.6	1,617	1,643	1,703	1,758	1,909
30	Rubber and plastics products.....	2,280	2,205	2,269	2,268	+3.4	-2.8	0.0	2,206	2,231	2,290	2,288	2,059
23,27, 31	All other nondurable goods.....	6,022	6,071	5,850	6,015	-0.8	+3.8	-2.7	6,160	6,225	5,997	6,045	6,721
	WORK IN PROCESS												
	All manufacturing industries..	104,320	104,306	104,856	104,411	0.0	-0.5	+0.4	104,841	104,285	104,699	105,287	106,179
	Durable goods industries.....	90,791	90,518	90,918	90,714	+0.3	-0.4	+0.2	91,139	90,420	90,890	91,456	91,829
32	Stone, clay, and glass products...	759	766	732	723	-0.9	+4.6	+1.2	745	751	750	750	818
33	Primary metals.....	6,849	6,874	6,969	6,960	-0.4	-1.4	+0.1	6,942	6,943	6,931	7,041	7,495
34	Fabricated metal products.....	6,772	6,769	6,765	6,890	0.0	+0.1	-1.8	6,810	6,884	6,992	7,070	6,701
35	Machinery, except electrical.....	15,252	15,094	15,338	15,418	+1.0	-1.6	-0.5	15,256	14,961	15,303	15,563	16,499
36	Electrical Machinery.....	20,354	20,157	19,954	19,851	+1.0	+1.0	+0.5	20,469	20,207	20,110	20,105	19,689
37	Transportation equipment.....	33,527	33,591	33,960	33,593	-0.2	-1.1	+1.1	33,591	33,356	33,513	33,585	32,737
38	Instruments and related products..	3,945	3,950	3,985	4,061	-0.1	-0.9	-1.9	3,969	3,980	4,070	4,105	4,220
24,25, 39	All other durable goods.....	3,333	3,317	3,215	3,218	+0.5	+3.2	-0.1	3,357	3,338	3,221	3,237	3,670
	Nondurable goods industries.....	13,529	13,788	13,938	13,697	-1.9	-1.1	+1.8	13,702	13,865	13,809	13,831	14,350
20	Food and kindred products.....	1,665	1,700	1,616	1,593	-2.1	+5.2	+1.4	1,618	1,633	1,587	1,591	1,603
21	Tobacco products.....	276	258	334	249	+7.0	-22.8	+34.1	237	201	214	195	173
22	Textile mill products.....	1,850	1,984	1,949	1,960	-6.8	+1.8	-0.6	1,843	1,959	1,916	1,972	1,888
26	Paper and allied products.....	1,169	1,169	1,090	1,107	0.0	+7.2	-1.5	1,202	1,187	1,113	1,122	1,157
28	Chemicals and allied products.....	3,338	3,469	3,481	3,396	-3.8	-0.3	+2.5	3,368	3,494	3,484	3,458	3,671
29	Petroleum and coal products.....	762	764	881	867	-0.3	-13.3	+1.6	793	782	898	899	1,209
30	Rubber and plastics products.....	1,185	1,175	1,153	1,209	+0.9	+1.9	-4.6	1,213	1,193	1,143	1,186	1,184
23,27, 31	All other nondurable goods.....	3,284	3,269	3,434	3,316	+0.5	-4.8	+3.6	3,428	3,416	3,454	3,408	3,465
	FINISHED GOODS												
	All manufacturing industries..	86,939	87,284	86,706	87,665	-0.4	+0.7	-1.1	87,038	87,214	87,638	89,102	88,909
	Durable goods industries.....	44,557	45,002	44,671	45,536	-1.0	+0.7	-1.9	44,501	45,221	45,741	46,950	46,290
32	Stone, clay, and glass products...	3,174	3,093	3,119	3,080	+2.6	-0.8	+1.3	3,145	3,117	3,182	3,227	3,128
33	Primary metals.....	4,772	5,014	5,142	5,156	-4.8	-2.5	-0.3	4,684	4,999	5,232	5,345	5,512
34	Fabricated metal products.....	4,815	4,815	4,771	4,873	0.0	+0.9	-2.1	4,798	4,762	4,974	5,039	4,648
35	Machinery, except electrical.....	11,476	11,845	11,603	12,393	-3.1	+2.1	-6.4	11,559	12,026	11,808	12,621	12,781
36	Electrical Machinery.....	6,390	6,452	6,334	6,253	-1.0	+1.9	+1.3	6,407	6,474	6,548	6,514	6,502
37	Transportation equipment.....	5,218	5,075	5,100	5,133	+2.8	-0.5	-0.6	5,150	5,045	5,115	5,199	5,290
38	Instruments and related products..	2,933	2,913	2,880	2,804	+0.7	+1.1	+2.7	2,966	2,964	2,958	2,920	2,758
24,25, 39	All other durable goods.....	5,779	5,795	5,722	5,844	-0.3	+1.3	-2.1	5,792	5,834	5,924	6,085	5,671
	Nondurable goods industries.....	42,382	42,282	42,035	42,129	+0.2	+0.6	-0.2	42,537	41,993	41,897	42,152	42,619
20	Food and kindred products.....	12,053	12,119	11,891	11,954	-0.5	+1.9	-0.5	12,400	11,547	10,995	11,194	12,483
21	Tobacco products.....	287	276	224	276	+4.0	+23.2	-18.8	268	260	242	285	247
22	Textile mill products.....	2,552	2,583	2,556	2,523	-1.2	+1.1	+1.3	2,549	2,600	2,637	2,640	2,650
26	Paper and allied products.....	3,975	3,939	3,875	3,790	+0.9	+1.7	+2.2	3,897	3,941	3,978	4,004	3,731
28	Chemicals and allied products.....	10,436	10,401	10,463	10,251	+0.3	-0.6	+2.1	10,278	10,297	10,356	10,295	9,889
29	Petroleum and coal products.....	3,358	3,461	3,621	3,786	-3.0	-4.4	-4.4	3,373	3,433	3,470	3,555	4,267
30	Rubber and plastics products.....	2,856	2,921	2,849	2,873	-2.2	+2.5	-0.8	2,767	2,889	2,968	3,059	2,864
23,27, 31	All other nondurable goods.....	6,865	6,582	6,556	6,676	+4.3	+0.4	-1.8	7,005	7,026	7,251	7,120	6,488

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Aug. 1986p	July 1986r	June 1986	May 1986	Aug. 1986p	July 1986r	June 1986	May 1986
	All manufacturing industries	1.44	1.44	1.44	1.44	3.41	3.38	3.36	3.46
	Durable goods industries	1.79	1.78	1.79	1.81	4.19	4.14	4.13	4.23
32	Stone, clay, and glass products	1.17	1.15	1.15	1.13	0.61	0.60	0.61	0.59
33	Primary metals	1.74	1.73	1.78	1.72	2.05	1.90	2.00	1.94
34	Fabricated metal products	1.34	1.33	1.33	1.33	1.49	1.48	1.47	1.49
35	Machinery, except electrical	2.26	2.18	2.13	2.27	3.62	3.44	3.36	3.56
36	Electrical machinery	2.05	2.14	2.10	2.19	4.98	5.26	5.16	5.33
37	Transportation equipment	1.88	1.83	1.95	1.89	10.76	10.33	10.99	10.98
38	Instruments and related products	2.00	2.01	2.03	2.05	1.74	1.78	1.79	1.84
	Nondurable goods industries	1.03	1.04	1.02	1.01	0.47	0.48	0.47	0.50
20	Food and kindred products	0.83	0.82	0.84	0.82	(X)	(X)	(X)	(X)
21	Tobacco products	1.67	2.07	1.44	1.56	(X)	(X)	(X)	(X)
22	Textile mill products	1.37	1.42	1.50	1.54	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.08	1.08	1.08	1.10	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.23	1.26	1.28	1.24	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.53	0.55	0.55	0.50	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.66	1.68	1.57	1.57	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Aug. 1985	All Augs. 1981-1985	Aug. 1985-July 1986	Year ago Aug. 1985	All Augs. 1981-1985	Aug. 1985-July 1986	Year ago Aug. 1985	All Augs. 1981-1985	Aug. 1985-July 1986	Year ago Aug. 1985	All Augs. 1981-1985	Aug. 1985-July 1986
	All manufacturing industries.	0.3	0.3	0.3	0.6	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.1	0.3	0.4	0.6	0.5	0.5	0.2	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products	2.7	1.3	1.2	3.1	1.6	1.2	0.7	1.0	0.8	0.2	0.4	0.2
33	Primary metals	0.9	0.4	0.8	1.5	0.7	0.8	1.3	0.4	0.4	0.1	0.1	0.2
34	Fabricated metal products	0.1	0.6	1.0	0.6	1.3	1.4	0.3	0.4	0.5	0.1	0.2	0.5
35	Machinery, except electrical	0.0	0.8	0.5	0.4	1.8	1.1	0.1	0.4	0.2	0.1	0.1	0.1
36	Electrical machinery	0.2	0.4	0.9	0.4	1.3	1.3	0.0	0.2	0.2	0.0	0.1	0.2
37	Transportation equipment	0.1	0.5	0.3	1.1	0.9	1.4	0.2	0.2	0.2	0.4	0.2	0.1
38	Instruments and related products.	1.5	0.8	1.0	3.2	1.0	1.4	0.0	0.3	0.4	0.4	0.2	0.3
	Nondurable goods industries	0.8	0.5	0.4	0.8	0.4	0.4	0.0	0.3	0.4	0.1	0.2	0.2
20	Food and kindred products	1.1	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.8	0.3
21	Tobacco products	0.0	0.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
22	Textile mill products	0.5	0.6	1.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	1.1
26	Paper and allied products	0.8	0.6	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.1	0.3
28	Chemicals and allied product	0.3	1.0	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.4	0.4
29	Petroleum and coal products	0.2	0.4	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.8	0.6
30	Rubber and plastics products	0.9	1.0	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.6
	Capital goods industries:												
	Nondefense	0.1	0.5	0.5	0.3	1.1	0.7	0.1	0.1	0.1	0.0	0.0	0.1
	Defense	0.1	0.6	0.9	3.1	1.4	3.8	0.2	0.1	0.2	0.1	0.1	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

M3-1 (86)-9

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

September 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(86)-9
For Wire Transmission 10:00 a.m. E.S.T. Friday, October 31, 1986

(All Figures in text are in seasonally adjusted current dollars)

NOV 3 1986

SUMMARY. New orders for manufactured goods in September increased $6.6 billion or 3.4 percent to $199.4 billion, the largest 1-month increase since the 4.4 percent gain in November 1984. Durable goods were up 5.0 percent and nondurables 1.6 percent.

Shipments of manufactured goods increased $3.0 billion or 1.5 percent to $196.3 billion, following 3 months of little change. Durable goods in September were up 1.9 percent and nondurables 1.1 percent.

Unfilled orders held by manufacturers increased $3.1 billion or 0.9 percent to $368.6 billion, the largest increase since the 0.9 percent increase in September 1985. Manufacturers' inventories declined $0.7 billion or 0.2 percent to $276.8 billion, continuing a downward trend which began in April 1985. The inventory to shipments ratio in September dropped to 1.41 from the 1.44 ratio of the prior 4 months.

NEW ORDERS. The increase in September new orders resulted from widespread increases in both the durable and nondurable goods areas. Of the $5.2 billion increase in durable goods, transportation equipment was up $2.3 billion or 8.5 percent to $29.0 billion and electrical machinery, up $1.8 billion or 11.0 percent to $17.7 billion, with smaller increases in other major industries except primary metals. About half of the increase in transportation was in aircraft and parts and the other half in motor vehicles and parts. (A large part of the motor vehicle increase reflects an increase in shipments.) About half of the increase in electrical machinery was in communication equipment, with the rest distributed among all of the other electrical categories. Nonelectrical machinery orders were up $0.2 billion or 1.3 percent to $16.8 billion, with larger offsetting movements occurring in the various categories; the largest increase was in engines and turbines, up $0.7 billion and the largest decline in office and computing equipment, down $0.8 billion.

The increase in nondurable goods of $1.4 billion or 1.6 percent to $90.4 billion was widespread and mostly reflected shipments increases.

SHIPMENTS. Shipments of durable goods were up $2.0 billion or 1.9 percent to $106.1 billion. All of the major industries except instruments and related products increased. Electrical machinery was up $0.4 billion, primary metals, fabricated metals, and nonelectrical machinery were each up $0.3 billion and transportation equipment $0.2 billion. Within transportation, an increase in motor vehicles and parts of $0.8 billion or 4.7 percent more than offset declines in the other categories.

Increases in shipments in the nondurable goods sector also were widespread with only chemicals and petroleum products declining.

UNFILLED ORDERS. Virtually all of the increase in unfilled orders was in durable goods, up $2.9 billion or 0.8 percent. $1.9 billion of the increase was in transportation equipment with both defense and nondefense aircraft and parts increasing. Electrical machinery was up $0.5 billion, most of that due to an increase in nondefense communication equipment. The slight increase in nonelectrical machinery resulted mostly from offsetting movements in the specific categories.

INVENTORIES. Inventories of durable goods manufacturers were estimated at $186.2 billion, showing little change from August; increases in transportation equipment and fabricated metals were nearly offset by declines in most of the other categories. Inventories of nondurable goods manufacturers declined $0.8 billion or 0.9 percent to $90.6 billion, mostly due to a $0.7 billion or 3.0 percent decline in food products and a $0.3 billion or 6.0 percent decline in petroleum products.

Inventories by stage of fabrication showed little change in materials and supplies and work in process. Finished goods inventories, however, declined 1.2 percent; durable goods were down 0.7 percent and nondurables 1.7 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for October is scheduled for release on November 25, 1986 at 8:30 a.m. and the full report on December 4, 1986 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1986P	Aug. 1986r	July 1986	June 1986	Aug.-Sept.P	July-Aug.r	June-July	Sept. 1986P	Aug. 1986r	July 1986	June 1986	1986P	1985
	All manufacturing industries	196,275	193,305	193,294	193,642	+1.5	0.0	-0.2	207,001	190,795	178,616	206,929	1,755,907	1,749,321
	Manufacturing industries with unfilled orders	109,803	107,264	108,326	108,581	+2.4	-1.0	-0.2	115,820	105,573	98,950	116,042	968,305	946,014
	Durable goods industries	106,145	104,154	104,980	104,553	+1.9	-0.8	+0.4	111,905	100,573	95,007	114,059	947,006	927,625
	With unfilled orders	86,328	84,714	85,736	85,643	+1.9	-1.2	+0.1	91,310	82,606	77,887	92,735	767,935	757,911
32	Stone, clay, and glass products	4,965	4,760	4,876	4,873	+4.3	-2.4	+0.1	5,422	5,066	4,824	5,363	44,767	43,356
322	Glass containers	419	424	445	414	-1.2	-4.7	+7.5	434	459	441	462	3,919	3,683
33	Primary metals	9,672	9,358	9,646	9,484	+3.4	-3.0	+1.7	9,763	9,183	8,778	10,171	89,793	96,130
331	Blast furnaces, steel mills	3,828	3,638	4,146	3,886	+5.2	-12.3	+6.7	3,751	3,543	3,781	4,216	36,634	40,179
333-9	Nonferrous and other primary metals	4,710	4,601	4,307	4,435	+2.4	+6.8	-2.9	4,884	4,527	3,958	4,666	42,306	44,814
34	Fabricated metal products	14,242	13,910	14,044	14,199	+2.4	-1.0	-1.1	15,023	14,160	13,114	15,353	128,211	125,662
341	Metal cans, barrels, and drums	834	920	933	957	-9.3	-1.4	-2.5	943	1,087	1,017	1,084	8,588	8,848
35	Machinery, except electrical	16,712	16,433	17,111	17,535	+1.7	-4.0	-2.4	17,760	15,216	15,466	19,353	153,105	158,020
351	Engines and turbines	1,235	1,159	1,088	1,241	+6.6	+6.5	-12.3	1,298	1,063	968	1,377	11,100	11,283
352	Farm machinery and equipment	773	835	725	825	-7.4	+15.2	-12.1	799	680	585	907	7,530	7,788
353	Construction, mining, and material handling equipment	2,349	2,498	2,872	2,713	-6.0	-13.0	+5.9	2,504	2,276	2,820	2,965	25,421	24,939
354	Metalworking machinery	898	787	808	915	+14.1	-2.6	-11.7	981	738	709	961	7,657	7,630
356	General industrial machinery	1,509	1,319	1,551	1,487	+14.4	-15.0	+4.3	1,538	1,327	1,436	1,533	13,197	12,490
357	Office and computing machines	4,261	4,018	4,170	4,572	+6.0	-3.6	-8.8	4,781	3,737	3,478	5,166	34,851	40,187
36	Electrical machinery	17,234	16,883	16,172	16,316	+2.1	+4.4	-0.9	18,342	16,375	14,643	17,537	144,475	136,664
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,132	2,143	2,170	2,117	-0.5	-1.2	+2.5	2,301	2,069	1,891	2,277	19,062	18,400
363	Household appliances	1,614	1,515	1,551	1,489	+6.5	-2.3	+4.2	1,767	1,609	1,535	1,636	13,464	12,931
365	Radio and TV	1,220	1,166	1,092	1,031	+4.6	+6.8	+5.9	1,441	1,139	988	1,196	9,471	8,062
366	Communication equipment	5,896	5,791	5,140	5,478	+1.8	+12.7	-6.2	5,997	5,487	4,659	5,917	47,903	45,466
367	Electronic components	3,233	3,347	3,288	3,253	-3.4	+1.8	+1.1	3,437	3,270	2,982	3,451	29,650	29,614
37	Transportation equipment	27,067	26,855	27,297	25,887	+0.8	-1.6	+5.4	28,099	24,095	23,494	29,019	243,654	232,082
371	Motor vehicles and parts	17,763	16,970	16,884	16,455	+4.7	+0.5	+2.6	18,389	14,949	13,968	18,830	159,138	152,587
372,6	Aircraft, missiles, and parts	7,718	8,163	8,750	7,925	-5.5	-6.7	+10.4	8,201	7,563	7,980	8,607	70,400	64,570
3731,95	Shipbuilding and military tank vehicles	647	754	710	700	-14.2	+6.2	+1.4	655	728	693	729	6,231	7,424
38	Instruments and related products	4,572	4,727	4,755	4,680	-3.3	-0.6	+1.6	4,946	4,650	4,363	5,023	41,768	42,184
381-4	Scientific and engineering instruments	2,927	3,169	3,089	3,103	-7.6	+2.6	-0.5	3,155	3,106	2,783	3,289	27,476	27,742
386	Photographic goods	1,492	1,399	1,474	1,415	+6.6	-5.1	+4.2	1,622	1,381	1,396	1,561	12,716	12,716
24,25, 39	All other durable goods	11,681	11,228	11,079	11,579	+4.0	+1.3	-4.3	12,550	11,828	10,325	12,240	101,233	93,527
	Nondurable goods industries	90,130	89,151	88,314	89,089	+1.1	+0.9	-0.9	95,096	90,222	83,609	92,870	808,901	821,696
	With unfilled orders	23,475	22,550	22,590	22,938	+4.1	-0.2	-1.5	24,510	22,967	21,063	23,307	200,370	188,103
20	Food and kindred products	26,616	26,286	26,420	25,490	+1.3	-0.5	+3.6	28,373	26,268	24,971	26,698	230,979	221,752
201	Meat products	6,131	6,102	5,983	5,683	+0.5	+2.0	+5.3	6,266	6,303	5,780	5,802	51,024	50,541
208	Beverages	4,029	4,013	3,934	3,876	+0.4	+2.0	+1.5	4,057	4,290	4,217	4,457	36,530	34,507
207	Fats and oils	1,078	1,077	958	998	+0.1	+12.4	-4.0	1,093	1,050	914	1,013	9,462	10,343
203-6,9	All other foods	12,115	11,723	12,170	11,674	+3.3	-3.7	+4.2	13,593	11,254	10,685	12,001	104,346	97,118
21	Tobacco products	1,820	1,781	1,491	2,127	+2.2	+19.5	-29.9	2,018	1,882	1,373	2,331	15,817	14,887
22	Textile mill products	4,768	4,618	4,592	4,398	+3.2	+0.6	+4.4	5,148	4,825	3,925	4,814	40,604	39,035
26	Paper and allied products	9,529	9,299	9,317	9,125	+2.5	-0.2	+2.1	9,719	9,485	8,821	9,532	81,579	73,637
261-3,6	Pulp, paper etc	4,065	3,929	4,025	3,836	+3.5	-2.4	+4.9	4,103	3,957	3,771	4,035	34,453	31,551
265	Paperboard containers	1,860	1,838	1,827	1,825	+1.2	+0.6	+0.1	1,920	1,884	1,732	1,902	16,496	16,407
264	All other paper products	3,604	3,532	3,465	3,464	+2.0	+1.9	0.0	3,696	3,644	3,318	3,595	30,630	25,679
28	Chemicals and allied products	17,665	18,060	17,635	17,346	-2.2	+2.4	+1.7	18,458	17,593	16,195	18,508	162,146	163,038
281,6	Industrial chemicals, except pigments	5,876	5,937	5,807	5,708	-1.0	+2.2	+1.7	5,900	5,830	5,459	6,050	53,081	53,922
283,4	Drugs, soaps, and toiletries	5,095	5,153	5,048	5,199	-1.1	+2.1	-2.9	5,982	5,189	4,563	5,552	46,087	41,886
29	Petroleum and coal products	10,690	10,880	10,677	11,278	-1.7	+1.9	-5.3	10,978	11,023	10,731	11,643	110,596	143,998
30	Rubber and plastics products	3,945	3,804	3,759	4,002	+3.7	+1.2	-6.1	4,208	3,925	3,619	4,315	35,814	36,434
23,27, 31	All other nondurable goods	15,097	14,423	14,423	15,323	+4.7	0.0	-5.9	16,194	15,221	13,974	15,029	131,366	128,915
	Market categories:													
	Home goods and apparel	14,192	13,631	13,454	14,057	+4.1	+1.3	-4.3	15,990	14,845	12,480	14,586	122,643	118,628
	Consumer staples	38,096	37,280	37,193	37,350	+2.2	+0.2	-0.4	40,923	37,341	35,083	39,034	329,376	310,329
	Equipment and defense products, except automotive	29,806	30,631	30,434	30,751	-2.7	+0.6	-1.0	31,689	28,916	27,571	33,441	268,320	267,482
	Automotive equipment	19,669	18,831	18,748	18,274	+4.5	+0.4	+2.6	20,302	16,829	15,783	20,820	176,115	170,176
	Construction materials, supplies and intermediate products	18,379	17,685	17,901	18,216	+3.9	-1.2	-1.7	19,706	18,633	17,746	19,926	164,085	155,424
	Other materials, supplies, and intermediate products	76,133	75,247	75,564	74,994	+1.2	-0.4	+0.8	78,391	74,231	69,953	79,122	695,368	727,282
	Supplementary series:[2]													
	Capital goods industries	34,825	34,928	35,503	35,207	-0.3	-1.6	+0.8	36,924	32,775	32,170	38,247	307,443	300,610
	Nondefense	27,155	27,284	27,420	27,243	-0.5	-0.5	+0.6	28,885	25,425	24,711	29,922	240,242	240,095
	Defense	7,670	7,644	8,083	7,964	+0.3	-5.4	+1.5	8,039	7,350	7,459	8,325	67,201	60,515
	Household durable goods industries	7,540	7,147	6,940	7,374	+5.5	+3.0	-5.9	8,583	7,477	6,142	7,749	62,720	58,277

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sept. 1986P	Aug. 1986r	July 1986	June 1986	Aug.-Sept.P	July-Aug.r	June-July	Sept. 1986P	Aug. 1986r	July 1986	June 1986	1986P	1985
	All manufacturing industries	199,402	192,836	194,560	191,795	+3.4	-0.9	+1.4	208,328	186,986	177,464	201,600	1,756,470	1,756,671
	Manufacturing industries with unfilled orders	112,930	106,795	109,592	106,734	+5.7	-2.6	+2.7	117,147	101,764	97,798	110,713	968,868	953,363
	Durable goods industries	108,996	103,845	106,220	102,730	+5.0	-2.2	+3.4	113,040	96,996	93,742	108,946	947,111	934,591
	With unfilled orders	89,179	84,405	86,976	83,820	+5.7	-3.0	+3.8	92,445	79,029	76,622	87,622	768,040	764,877
32	Stone, clay, and glass products	4,970	4,787	4,809	4,927	+3.8	-0.5	-2.4	5,371	5,028	4,775	5,380	44,782	43,437
33	Primary metals	9,813	10,245	9,060	9,323	-4.2	+13.1	-2.8	9,563	9,929	8,088	9,390	89,270	96,549
331	Blast furnaces, steel mills	4,178	4,488	3,678	3,822	-6.9	+22.0	-3.8	3,871	4,342	3,229	3,709	36,753	40,363
333-9	Nonferrous and other primary metals	4,520	4,557	4,285	4,361	-0.8	+6.3	-1.7	4,606	4,490	3,830	4,485	41,389	44,735
34	Fabricated metal products	13,998	13,702	13,993	13,998	+2.2	-2.1	0.0	14,706	13,859	13,020	15,278	127,305	124,805
35	Machinery, except electrical	16,818	16,603	17,233	16,888	+1.3	-3.7	+2.0	17,387	15,168	14,963	18,394	149,614	158,210
351	Engines and turbines	1,563	900	962	1,185	+73.7	-6.4	-18.8	1,533	952	906	1,131	10,826	10,719
353	Construction, mining, and material handling equipment	2,176	2,517	2,624	2,429	-13.5	-4.1	+8.0	2,328	2,220	2,592	2,637	23,854	25,219
354	Metalworking machinery	985	693	849	731	+42.1	-18.4	+16.1	970	750	787	816	7,543	8,471
356	General industrial machinery	1,462	1,303	1,470	1,562	+12.2	-11.4	-5.9	1,433	1,315	1,351	1,570	13,068	12,397
357	Office and computing machines	3,913	4,735	4,632	4,484	-17.4	+2.2	+3.3	4,312	3,938	3,402	5,215	33,732	40,642
36	Electrical machinery	17,706	15,952	16,953	17,913	+11.0	-5.9	-5.4	18,652	15,533	14,859	18,228	147,078	140,932
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,239	2,131	2,230	2,025	+5.1	-4.4	+10.1	2,374	2,082	1,950	2,122	18,861	18,260
363	Household appliances	1,669	1,516	1,560	1,492	+10.1	-2.8	+4.6	1,795	1,609	1,552	1,629	13,514	12,984
365	Radio and TV	1,303	1,140	1,024	933	+14.3	+11.3	+9.8	1,524	1,212	919	1,166	9,548	8,264
366	Communication equipment	6,133	5,264	5,950	6,997	+16.5	-11.5	-15.0	6,498	5,014	4,840	6,772	51,089	52,831
367	Electronic components	3,191	3,014	3,245	3,448	+5.9	-7.1	-5.9	3,071	2,808	2,970	3,415	28,886	26,311
37	Transportation equipment	28,979	26,704	28,359	23,531	+8.5	-5.8	+20.5	29,792	21,096	23,211	25,134	245,216	234,141
372,6	Aircraft, missiles, and parts	9,528	8,525	9,226	5,303	+11.8	-7.6	+74.0	9,877	5,219	7,182	5,065	71,963	69,206
3731,95	Shipbuilding and military tank vehicles	773	550	1,498	974	+40.5	-63.3	+53.8	738	358	1,222	537	6,742	5,542
38	Instruments and related products	4,838	4,607	4,820	4,530	+5.0	-4.4	+6.4	5,154	4,532	4,414	4,967	41,779	42,524
24,25, 39	All other durable goods	11,874	11,245	10,993	11,620	+5.6	+2.3	-5.4	12,415	11,851	10,412	12,175	102,067	93,993
	Nondurable goods industries	90,406	88,991	88,340	89,065	+1.6	+0.7	-0.8	95,288	89,990	83,722	92,654	809,359	822,080
	With unfilled orders	23,751	22,390	22,616	22,914	+6.1	-1.0	-1.3	24,702	22,735	21,176	23,091	200,828	188,486
	Market categories:													
	Home goods and apparel	14,388	13,755	13,273	13,944	+4.6	+3.6	-4.8	15,868	14,979	12,472	14,387	123,601	119,453
	Consumer staples	38,052	37,231	37,198	37,284	+2.2	+0.1	-0.2	40,908	37,331	35,118	38,964	329,362	310,413
	Equipment and defense products, except automotive	30,565	30,501	32,404	30,495	+0.2	-5.9	+6.3	32,203	25,994	26,847	31,143	267,836	273,904
	Automotive equipment	19,684	18,533	18,631	18,286	+6.2	-0.5	+1.9	20,285	16,576	15,839	20,690	175,693	169,597
	Construction materials, supplies and intermediate products	18,270	17,577	17,980	18,106	+3.9	-2.2	-0.7	19,502	18,449	17,817	19,822	163,925	155,522
	Other materials, supplies, and intermediate products	78,443	75,239	75,074	73,680	+4.3	+0.2	+1.9	79,562	73,657	69,371	76,594	696,053	727,782
	Supplementary series:[2]													
	Capital goods industries	37,186	34,657	37,544	33,674	+7.3	-7.7	+11.5	38,850	29,497	31,409	34,383	308,972	310,325
	Nondefense	28,618	26,325	27,387	26,421	+8.7	-3.9	+3.7	29,422	24,264	24,314	28,674	238,286	240,319
	Defense	8,568	8,332	10,157	7,253	+2.8	-18.0	+40.0	9,428	5,233	7,095	5,709	70,686	70,006
	Household durable goods industries	7,743	7,235	6,762	7,289	+7.0	+7.0	-7.2	8,488	7,610	6,120	7,599	63,581	58,930

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1986p	Aug. 1986r	July 1986	June 1986	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1986p	Aug. 1986r	July 1986	June 1986	Sept. 1985
	All manufacturing industries..	368,606	365,479	365,948	364,682	+0.9	-0.1	+0.3	361,923	360,596	364,405	365,557	360,290
	Durable goods industries.....	357,654	354,803	355,112	353,872	+0.8	-0.1	+0.4	350,996	349,861	353,438	354,703	349,993
32	Stone, clay, and glass products...	2,680	2,675	2,648	2,715	+0.2	+1.0	-2.5	2,648	2,699	2,737	2,786	2,478
33	Primary metals.....	19,371	19,230	18,343	18,929	+0.7	+4.8	-3.1	18,607	18,807	18,061	18,751	18,923
331	Blast furnaces, steel mills.....	9,540	9,190	8,340	8,808	+3.8	+10.2	-5.3	9,025	8,905	8,106	8,658	8,586
333-9	Nonferrous and other primary metals.....	5,966	6,156	6,200	6,222	-3.1	-0.7	-0.4	5,829	6,107	6,144	6,272	7,037
34	Fabricated metal products.....	18,931	19,175	19,383	19,434	-1.3	-1.1	-0.3	19,051	19,368	19,669	19,763	20,324
35	Machinery, except electrical.....	56,564	56,458	56,288	56,166	+0.2	+0.3	+0.2	55,562	55,935	55,983	56,486	61,162
351	Engines and turbines.....	14,854	14,526	14,785	14,911	+2.3	-1.8	-0.8	14,753	14,518	14,629	14,691	14,598
353	Construction, mining, and material handling equipment....	4,808	4,981	4,962	5,210	-3.5	+0.4	-4.8	4,750	4,926	4,982	5,210	6,172
354	Metalworking machinery.....	3,734	3,647	3,741	3,700	+2.4	-2.5	+1.1	3,764	3,775	3,763	3,685	4,484
356	General industrial machinery....	4,168	4,215	4,231	4,312	-1.1	-0.4	-1.9	4,114	4,219	4,231	4,316	4,568
357	Office and computing machines...	18,283	18,631	17,914	17,452	-1.9	+4.0	+2.6	17,771	18,240	18,039	18,115	20,725
36	Electrical machinery.....	84,585	84,113	85,044	84,263	+0.6	-1.1	+0.9	84,044	83,734	84,576	84,360	82,183
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,564	5,457	5,469	5,409	+2.0	-0.2	+1.1	5,540	5,467	5,454	5,395	6,042
363	Household appliances.....	403	348	347	338	+15.8	+0.3	+2.7	407	379	379	362	416
365	Radio and TV.....	370	287	313	381	+28.9	-8.3	-17.8	515	432	359	428	637
366	Communication equipment.....	61,212	60,975	61,502	60,692	+0.4	-0.9	+1.3	60,719	60,218	60,691	60,510	57,934
367	Electronic components.....	15,391	15,433	15,766	15,809	-0.3	-2.1	-0.3	15,206	15,572	16,034	16,046	15,593
37	Transportation equipment.....	161,336	159,424	159,575	158,513	+1.2	-0.1	+0.7	156,737	155,044	158,043	158,326	150,620
372,6	Aircraft, missiles, and parts...	136,877	135,067	134,705	134,229	+1.3	+0.3	+0.4	133,095	131,419	133,763	134,561	125,173
3731,95	Shipbuilding and military tank vehicles.....	18,770	18,644	18,848	18,060	+0.7	-1.1	+4.4	18,098	18,015	18,385	17,856	18,975
38	Instruments and related products..	8,602	8,336	8,456	8,391	+3.2	-1.4	+0.8	8,615	8,407	8,525	8,474	8,654
24,25, 39	All other durable goods.....	5,585	5,392	5,375	5,461	+3.6	+0.3	-1.6	5,732	5,867	5,844	5,757	5,649
	Nondurable goods industries.....	10,952	10,676	10,836	10,810	+2.6	-1.5	+0.2	10,927	10,735	10,967	10,854	10,297
	Market categories:												
	Home goods and apparel.....	4,353	4,157	4,033	4,214	+4.7	+3.1	-4.3	4,576	4,698	4,564	4,572	4,653
	Consumer staples.....	683	727	776	771	-6.1	-6.3	+0.6	719	734	744	709	717
	Equipment and defense products, except automotive.....	233,161	232,402	232,532	230,562	+0.3	-0.1	+0.9	227,776	227,262	230,184	230,908	226,323
	Automotive equipment.....	5,269	5,254	5,552	5,669	+0.3	-5.4	-2.1	5,132	5,149	5,402	5,346	5,910
	Construction materials, supplies and intermediate products.....	11,750	11,859	11,967	11,888	-0.9	-0.9	+0.7	11,816	12,020	12,204	12,133	12,293
	Other materials, supplies, and intermediate products.....	113,390	111,080	111,088	111,578	+2.1	0.0	-0.4	111,904	110,733	111,307	111,889	110,394
	Supplementary series:[2]												
	Capital goods industries.....	282,965	280,604	280,875	278,834	+0.8	-0.1	+0.7	277,069	275,143	278,421	279,182	273,571
	Nondefense.....	132,104	130,641	131,600	131,633	+1.1	-0.7	0.0	130,746	130,209	131,370	131,767	133,052
	Defense.....	150,861	149,963	149,275	147,201	+0.6	+0.5	+1.4	146,323	144,934	147,051	147,415	140,519
	Household durable goods industries.....	3,813	3,610	3,522	3,700	+5.6	+2.5	-4.8	4,041	4,136	4,003	4,025	4,084

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Sept. 1986p	Aug. 1986r	July 1986	June 1986	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1986p	Aug. 1986r	July 1986	June 1986	Sept. 1985
	All manufacturing industries..	276,817	277,473	278,613	278,410	-0.2	-0.4	+0.1	275,333	277,799	278,441	278,858	282,567
	Manufacturing industries with unfilled orders.....	194,635	194,689	195,343	194,995	0.0	-0.3	+0.2	193,846	195,505	196,374	196,478	199,249
	Durable goods industries.....	186,227	186,045	186,858	187,148	+0.1	-0.4	-0.2	185,401	186,580	187,101	188,023	191,127
	With unfilled orders.....	171,052	171,148	171,854	171,807	-0.1	-0.4	0.0	170,533	171,749	172,396	172,742	175,915
32	Stone, clay, and glass products...	5,583	5,673	5,608	5,593	-1.6	+1.2	+0.3	5,438	5,640	5,621	5,669	5,688
322	Glass containers.....	644	631	639	648	+2.1	-1.3	-1.4	629	635	643	658	603
33	Primary metals.....	15,828	16,212	16,724	16,883	-2.4	-3.1	-0.9	15,763	16,206	16,734	16,857	18,423
331	Blast furnaces, steel mills.....	6,504	6,805	7,164	7,373	-4.4	-5.0	-2.8	6,550	6,866	7,236	7,321	8,353
333-9	Nonferrous and other primary metals.....	8,128	8,208	8,305	8,263	-1.0	-1.2	+0.5	8,030	8,167	8,272	8,288	8,833
34	Fabricated metal products.....	18,762	18,511	18,685	18,832	+1.4	-0.9	-0.8	18,400	18,542	18,811	19,272	18,553
341	Metal cans, barrels, and drums..	2,484	2,146	2,148	2,229	+15.8	-0.1	-3.6	2,129	2,077	2,270	2,485	1,999
35	Machinery, except electrical.....	36,764	37,055	37,220	37,328	-0.8	-0.4	-0.3	36,598	37,113	37,322	37,526	40,229
351	Engines and turbines.....	1,975	1,981	1,942	1,922	-0.3	+2.0	+1.0	1,937	1,946	1,938	1,920	1,928
352	Farm machinery and equipment....	1,597	1,657	1,699	1,678	-3.6	-2.5	+1.3	1,610	1,650	1,672	1,720	1,788
353	Construction, mining, and material handling equipment....	5,942	5,780	5,746	5,776	+2.8	+0.6	-0.5	5,877	5,786	5,717	5,811	6,426
354	Metalworking machinery.....	2,758	2,731	2,741	2,718	+1.0	-0.4	+0.8	2,741	2,761	2,768	2,745	2,747
356	General industrial machinery....	3,163	3,265	3,274	3,236	-3.1	-0.3	+1.2	3,131	3,226	3,277	3,268	3,445
357	Office and computing machines...	10,263	10,688	10,760	11,055	-4.0	-0.7	-2.7	10,325	10,880	10,975	11,099	12,660
36	Electrical machinery.....	34,646	34,596	34,570	34,243	+0.1	+0.1	+1.0	34,498	34,795	34,789	34,667	34,153
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,160	4,156	4,206	4,188	+0.1	-1.2	+0.4	4,141	4,168	4,213	4,235	4,494
363	Household appliances.....	2,399	2,382	2,414	2,438	+0.7	-1.3	-1.0	2,260	2,330	2,438	2,565	2,275
365	Radio and TV.....	1,651	1,622	1,659	1,635	+1.8	-2.2	+1.5	1,714	1,711	1,722	1,689	1,431
366	Communication equipment.....	15,310	15,335	15,240	15,048	-0.2	+0.6	+1.3	15,273	15,379	15,302	15,041	14,914
367	Electronic components.....	6,019	6,030	5,941	5,965	-0.2	+1.5	-0.4	5,983	6,060	5,989	6,019	6,254
37	Transportation equipment.....	50,758	50,037	50,061	50,434	+1.4	0.0	-0.7	50,788	50,172	49,694	49,989	49,883
371	Motor vehicles and parts.....	10,641	10,674	10,892	10,856	-0.3	-2.0	+0.3	10,783	10,769	10,410	10,497	11,555
372,6	Aircraft, missiles, and parts...	36,661	35,950	35,774	36,150	+2.0	+0.5	-1.0	36,577	36,099	35,990	36,141	35,175
3731,95	Shipbuilding and military tank vehicles.....	1,746	1,709	1,679	1,634	+2.2	+1.8	+2.8	1,754	1,668	1,682	1,643	1,505
38	Instruments and related products..	9,620	9,552	9,545	9,507	+0.7	+0.1	+0.4	9,612	9,610	9,627	9,681	9,624
381-4	Scientific and engineering instruments.....	6,791	6,688	6,668	6,654	+1.5	+0.3	+0.2	6,757	6,681	6,715	6,767	6,936
386	Photographic goods.....	2,195	2,224	2,242	2,216	-1.3	-0.8	+1.2	2,224	2,284	2,267	2,260	2,062
24,25, 39	All other durable goods.....	14,266	14,409	14,445	14,328	-1.0	-0.2	+0.8	14,304	14,502	14,503	14,362	14,574
	Nondurable goods industries.....	90,590	91,428	91,755	91,262	-0.9	-0.4	+0.5	89,932	91,219	91,340	90,835	91,440
	With unfilled orders.....	23,583	23,541	23,489	23,188	+0.2	+0.2	+1.3	23,313	23,756	23,978	23,736	23,334
20	Food and kindred products.....	21,072	21,725	21,782	21,288	-3.0	-0.3	+2.3	21,344	21,606	20,806	20,050	21,314
201	Meat products.....	2,328	2,353	2,299	2,154	-1.1	+2.3	+6.7	2,179	2,219	2,223	2,154	2,130
208	Beverages.....	3,464	3,553	3,562	3,470	-2.5	-0.3	+2.7	3,377	3,400	3,462	3,460	3,342
207	Fats and oils.....	1,070	1,036	1,031	991	+3.3	+0.5	+4.0	840	854	892	919	945
203-6,9	All other foods.....	12,429	13,008	13,175	12,942	-4.5	-1.3	+1.8	13,187	13,333	12,464	11,751	13,192
21	Tobacco products.....	2,974	2,982	3,086	3,057	-0.3	-3.4	+0.9	2,956	2,806	2,796	2,886	3,208
22	Textile mill products.....	6,461	6,337	6,531	6,617	+2.0	-3.0	-1.3	6,339	6,323	6,573	6,709	6,556
26	Paper and allied products.....	10,059	10,114	10,029	9,825	-0.5	+0.8	+2.1	9,836	10,026	10,086	9,993	9,444
261-3,6	Pulp, paper etc.....	3,918	3,885	3,931	3,882	+0.8	-1.2	+1.3	3,844	3,876	3,933	3,918	3,678
265	Paperboard containers.....	2,415	2,379	2,298	2,259	+1.5	+3.5	+1.7	2,376	2,377	2,342	2,315	2,274
264	All other paper products.....	3,726	3,850	3,800	3,684	-3.2	+1.3	+3.1	3,616	3,773	3,811	3,760	3,492
28	Chemicals and allied products....	22,243	22,085	22,252	22,203	+0.7	-0.8	+0.2	21,776	21,971	22,241	22,023	21,438
281,6	Industrial chemicals, except pigments.....	6,660	6,676	6,661	6,702	-0.2	+0.2	-0.6	6,560	6,683	6,694	6,689	6,719
283,4	Drugs, soaps, and toiletries....	7,297	7,297	7,334	7,180	0.0	-0.5	+2.1	7,173	7,304	7,371	7,288	6,698
29	Petroleum and coal products.....	5,421	5,767	5,852	6,161	-6.0	-1.5	-5.0	5,509	5,783	5,858	6,071	7,143
30	Rubber and plastics products.....	6,294	6,314	6,301	6,271	-0.3	+0.2	+0.5	6,137	6,178	6,313	6,401	6,098
23,27, 31	All other nondurable goods.....	16,066	16,104	15,922	15,840	-0.2	+1.1	+0.5	16,035	16,526	16,667	16,702	16,239
	Market categories:												
	Home goods and apparel.....	22,369	22,421	22,411	22,366	-0.2	0.0	+0.2	22,185	22,741	23,060	23,350	21,819
	Consumer staples.....	34,072	34,706	34,930	34,188	-1.8	-0.6	+2.2	34,465	34,682	33,949	33,072	34,054
	Equipment and defense products, except automotive.....	83,125	82,667	82,865	82,840	+0.6	-0.2	0.0	82,542	82,708	83,058	83,112	85,649
	Automotive equipment.....	12,896	12,980	13,181	13,237	-0.6	-1.5	-0.4	12,953	12,963	12,580	12,830	13,861
	Construction materials, supplies and intermediate products.....	18,319	18,479	18,454	18,651	-0.9	+0.1	-1.1	18,144	18,436	18,455	18,822	18,998
	Other materials, supplies, and intermediate products.....	106,036	106,220	106,772	107,128	-0.2	-0.5	-0.3	105,044	106,269	107,339	107,672	108,186
	Supplementary series:2												
	Capital goods industries.....	97,535	96,981	96,834	96,956	+0.6	+0.2	-0.1	97,165	97,274	97,300	97,395	98,513
	Nondefense.....	68,540	68,515	68,685	68,839	0.0	-0.2	-0.2	68,347	68,713	68,728	68,905	72,210
	Defense.....	28,995	28,466	28,149	28,117	+1.9	+1.1	+0.1	28,818	28,561	28,572	28,490	26,303
	Household durable goods industries.....	11,540	11,567	11,638	11,460	-0.2	-0.6	+1.6	11,474	11,759	11,857	11,776	11,153

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Sept. 1986p	Aug. 1986r	July 1986	June 1986	Percent change: Aug.-Sept.p	July-Aug.r	June-July	Not seasonally adjusted[1]: End of month: Sept. 1986p	Aug. 1986r	July 1986	June 1986	Sept. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,446	86,562	87,023	86,848	-0.1	-0.5	+0.2	85,721	86,274	86,942	86,521	88,574
	Durable goods industries.....	51,107	50,878	51,338	51,559	+0.5	-0.9	-0.4	51,106	51,121	51,460	51,392	53,853
32	Stone, clay, and glass products...	1,711	1,761	1,749	1,742	-2.8	+0.7	+0.4	1,714	1,771	1,753	1,737	1,822
33	Primary metals.....	4,547	4,596	4,836	4,772	-1.1	-5.0	+1.3	4,567	4,585	4,792	4,694	5,538
34	Fabricated metal products.....	6,898	6,946	7,101	7,296	-0.7	-2.2	-2.7	6,846	6,957	7,165	7,306	7,238
35	Machinery, except electrical.....	10,548	10,442	10,281	10,387	+1.0	+1.6	-1.0	10,445	10,413	10,335	10,415	11,252
36	Electrical Machinery.....	7,870	7,855	7,961	7,955	+0.2	-1.3	+0.1	7,872	7,923	8,108	8,009	8,168
37	Transportation equipment.....	11,661	11,281	11,395	11,374	+3.4	-1.0	+0.2	11,643	11,417	11,293	11,361	11,657
38	Instruments and related products..	2,629	2,662	2,682	2,642	-1.2	-0.7	+1.5	2,660	2,663	2,683	2,653	2,690
24,25, 39	All other durable goods.....	5,243	5,335	5,333	5,391	-1.7	0.0	-1.1	5,359	5,392	5,331	5,217	5,488
	Nondurable goods industries.....	35,339	35,684	35,685	35,289	-1.0	0.0	+1.1	34,615	35,153	35,482	35,129	34,721
20	Food and kindred products.....	7,791	8,069	7,963	7,781	-3.4	+1.3	+2.3	7,345	7,653	7,626	7,468	6,983
21	Tobacco products.....	2,419	2,419	2,552	2,499	0.0	-5.2	+2.1	2,330	2,301	2,335	2,430	2,745
22	Textile mill products.....	1,904	1,947	1,964	2,112	-2.2	-0.9	-7.0	1,851	1,943	2,014	2,156	1,992
26	Paper and allied products.....	4,969	4,963	4,921	4,860	+0.1	+0.9	+1.3	4,929	4,920	4,958	4,902	4,596
28	Chemicals and allied products.....	8,386	8,326	8,382	8,259	+0.7	-0.7	+1.5	8,358	8,341	8,450	8,183	8,007
29	Petroleum and coal products.....	1,605	1,684	1,627	1,659	-4.7	+3.5	-1.9	1,565	1,654	1,643	1,703	1,776
30	Rubber and plastics products.....	2,256	2,292	2,205	2,269	-1.6	+3.9	-2.8	2,222	2,218	2,231	2,290	2,060
23,27, 31	All other nondurable goods.....	6,009	5,984	6,071	5,850	+0.4	-1.4	+3.8	6,015	6,123	6,225	5,997	6,562
	WORK IN PROCESS												
	All manufacturing industries..	104,666	104,177	104,306	104,856	+0.5	-0.1	-0.5	104,634	104,693	104,285	104,699	106,436
	Durable goods industries.....	90,920	90,673	90,518	90,918	+0.3	+0.2	-0.4	90,791	91,019	90,420	90,890	92,063
32	Stone, clay, and glass products...	744	761	766	732	-2.2	-0.7	+4.6	725	747	751	750	838
33	Primary metals.....	6,749	6,845	6,874	6,969	-1.4	-0.4	-1.4	6,757	6,938	6,943	6,931	7,424
34	Fabricated metal products.....	6,934	6,766	6,769	6,765	+2.5	0.0	+0.1	6,846	6,803	6,884	6,992	6,783
35	Machinery, except electrical.....	14,864	15,186	15,094	15,338	-2.1	+0.6	-1.6	14,809	15,190	14,961	15,303	16,547
36	Electrical Machinery.....	20,418	20,378	20,157	19,954	+0.2	+1.1	+1.0	20,343	20,492	20,207	20,110	19,616
37	Transportation equipment.....	33,948	33,523	33,591	33,960	+1.3	-0.2	-1.1	34,065	33,590	33,356	33,513	33,072
38	Instruments and related products..	4,038	3,948	3,950	3,985	+2.3	-0.1	-0.9	4,008	3,972	3,980	4,070	4,185
24,25, 39	All other durable goods.....	3,225	3,266	3,317	3,215	-1.3	-1.5	+3.2	3,238	3,287	3,338	3,221	3,598
	Nondurable goods industries.....	13,746	13,504	13,788	13,938	+1.8	-2.1	-1.1	13,843	13,674	13,865	13,809	14,373
20	Food and kindred products.....	1,665	1,669	1,700	1,616	-0.2	-1.8	+5.2	1,625	1,621	1,633	1,587	1,584
21	Tobacco products.....	259	276	258	334	-6.2	+7.0	-22.8	350	237	201	214	210
22	Textile mill products.....	1,913	1,836	1,984	1,949	+4.2	-7.5	+1.8	1,915	1,829	1,959	1,916	1,908
26	Paper and allied products.....	1,157	1,170	1,169	1,090	-1.1	+0.1	+7.2	1,175	1,203	1,187	1,113	1,151
28	Chemicals and allied products.....	3,499	3,351	3,469	3,481	+4.4	-3.4	-0.3	3,491	3,380	3,494	3,484	3,712
29	Petroleum and coal products.....	712	758	764	881	-6.1	-0.8	-13.3	716	789	782	898	1,190
30	Rubber and plastics products.....	1,238	1,169	1,175	1,153	+5.9	-0.5	+1.9	1,256	1,197	1,193	1,143	1,241
23,27, 31	All other nondurable goods.....	3,303	3,275	3,269	3,434	+0.9	+0.2	-4.8	3,315	3,418	3,416	3,454	3,377
	FINISHED GOODS												
	All manufacturing industries..	85,705	86,734	87,284	86,706	-1.2	-0.6	+0.7	84,978	86,832	87,214	87,638	87,557
	Durable goods industries.....	44,200	44,494	45,002	44,671	-0.7	-1.1	+0.7	43,504	44,440	45,221	45,741	45,211
32	Stone, clay, and glass products...	3,128	3,151	3,093	3,119	-0.7	+1.9	-0.8	2,999	3,122	3,117	3,182	3,028
33	Primary metals.....	4,532	4,771	5,014	5,142	-5.0	-4.8	-2.5	4,439	4,683	4,999	5,232	5,461
34	Fabricated metal products.....	4,930	4,799	4,815	4,771	+2.7	-0.3	+0.9	4,708	4,782	4,762	4,974	4,532
35	Machinery, except electrical.....	11,352	11,427	11,845	11,603	-0.7	-3.5	+2.1	11,344	11,510	12,026	11,808	12,430
36	Electrical Machinery.....	6,358	6,363	6,452	6,334	-0.1	-1.4	+1.9	6,283	6,380	6,474	6,548	6,369
37	Transportation equipment.....	5,149	5,233	5,075	5,100	-1.6	+3.1	-0.5	5,080	5,165	5,045	5,115	5,154
38	Instruments and related products..	2,953	2,942	2,913	2,880	+0.4	+1.0	+1.1	2,944	2,975	2,964	2,958	2,749
24,25, 39	All other durable goods.....	5,798	5,808	5,795	5,722	-0.2	+0.2	+1.3	5,707	5,823	5,834	5,924	5,488
	Nondurable goods industries.....	41,505	42,240	42,282	42,035	-1.7	-0.1	+0.6	41,474	42,392	41,993	41,897	42,346
20	Food and kindred products.....	11,616	11,987	12,119	11,891	-3.1	-1.1	+1.9	12,374	12,332	11,547	10,995	12,747
21	Tobacco products.....	296	287	276	224	+3.1	+4.0	+23.2	276	268	260	242	253
22	Textile mill products.....	2,644	2,554	2,583	2,556	+3.5	-1.1	+1.1	2,573	2,551	2,600	2,637	2,656
26	Paper and allied products.....	3,933	3,981	3,939	3,875	-1.2	+1.1	+1.7	3,732	3,903	3,941	3,978	3,697
28	Chemicals and allied products.....	10,358	10,408	10,401	10,463	-0.5	+0.1	-0.6	9,927	10,250	10,297	10,356	9,719
29	Petroleum and coal products.....	3,104	3,325	3,461	3,621	-6.6	-3.9	-4.4	3,228	3,340	3,433	3,470	4,177
30	Rubber and plastics products.....	2,800	2,853	2,921	2,849	-1.9	-2.3	+2.5	2,659	2,763	2,889	2,968	2,797
23,27, 31	All other nondurable goods.....	6,754	6,845	6,582	6,556	-1.3	+4.0	+0.4	6,705	6,985	7,026	7,251	6,300

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Sept. 1986p	Aug. 1986r	July 1986	June 1986	Sept. 1986p	Aug. 1986r	July 1986	June 1986
	All manufacturing industries	1.41	1.44	1.44	1.44	3.36	3.41	3.38	3.36
	Durable goods industries	1.75	1.79	1.78	1.79	4.14	4.19	4.14	4.13
32	Stone, clay, and glass products	1.12	1.19	1.15	1.15	0.59	0.62	0.60	0.61
33	Primary metals	1.64	1.73	1.73	1.78	2.00	2.05	1.90	2.00
34	Fabricated metal products	1.32	1.33	1.33	1.33	1.41	1.48	1.48	1.47
35	Machinery, except electrical	2.20	2.25	2.18	2.13	3.55	3.62	3.44	3.36
36	Electrical machinery	2.01	2.05	2.14	2.10	4.91	4.98	5.26	5.16
37	Transportation equipment	1.88	1.86	1.83	1.95	10.96	10.73	10.33	10.99
38	Instruments and related products	2.10	2.02	2.01	2.03	1.88	1.76	1.78	1.79
	Nondurable goods industries	1.01	1.03	1.04	1.02	0.47	0.47	0.48	0.47
20	Food and kindred products	0.79	0.83	0.82	0.84	(X)	(X)	(X)	(X)
21	Tobacco products	1.63	1.67	2.07	1.44	(X)	(X)	(X)	(X)
22	Textile mill products	1.36	1.37	1.42	1.50	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.06	1.09	1.08	1.08	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.26	1.22	1.26	1.28	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.51	0.53	0.55	0.55	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.60	1.66	1.68	1.57	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1985	All Septs. 1981-1985	Sept. 1985-Aug. 1986	Year ago Sept. 1985	All Septs. 1981-1985	Sept. 1985-Aug. 1986	Year ago Sept. 1985	All Septs. 1981-1985	Sept. 1985-Aug. 1986	Year ago Sept. 1985	All Septs. 1981-1985	Sept. 1985-Aug. 1986
	All manufacturing industries.	0.1	0.2	0.3	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.4	0.3	0.4	0.1	0.3	0.5	0.2	0.1	0.1	0.1	0.4	0.1
32	Stone, clay, and glass products..	0.2	1.1	1.1	0.1	1.0	1.2	0.5	1.4	0.8	0.1	0.6	0.2
33	Primary metals	1.2	0.6	0.7	1.1	0.8	0.7	0.1	0.2	0.3	0.2	0.1	0.2
34	Fabricated metal products	1.0	0.7	1.0	2.6	1.3	1.4	1.2	0.5	0.6	0.1	0.3	0.6
35	Machinery, except electrical	0.3	0.6	0.5	1.1	1.0	1.1	0.2	0.2	0.2	0.0	0.5	0.2
36	Electrical machinery	1.3	0.4	0.9	0.8	0.7	1.3	0.1	0.1	0.2	0.2	0.1	0.2
37	Transportation equipment	0.2	0.4	0.4	1.4	1.3	1.6	0.3	0.2	0.3	0.2	0.3	0.1
38	Instruments and related products.	1.4	0.8	0.9	1.3	1.1	1.2	0.1	0.4	0.4	0.2	0.2	0.3
	Nondurable goods industries	0.3	0.4	0.3	0.2	0.3	0.3	1.3	0.4	0.4	0.0	0.2	0.2
20	Food and kindred products	1.1	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.3
21	Tobacco products	0.0	0.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
22	Textile mill products	0.6	1.1	1.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.9	0.6	1.1
26	Paper and allied products	0.0	1.0	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.3
28	Chemicals and allied product	0.3	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.4
29	Petroleum and coal products	0.7	0.5	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.6
30	Rubber and plastics products	1.7	2.3	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.6
	Capital goods industries:												
	Nondefense	0.6	0.6	0.5	1.0	1.2	0.7	0.1	0.8	0.1	0.1	0.3	0.1
	Defense	0.8	0.8	1.0	4.0	2.8	4.2	0.3	0.7	0.2	0.3	0.5	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

C 3.158:
M 3-1(86)-10
SUPERENTENDENT OF DOCUMENTS
DEPOSITORY
FEB 25 1987
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

October 1986

M3-1(86)-10

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E.S.T. Thursday, December 4, 1986

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in October declined $7.1 billion or 3.6 percent to $192.3 billion. This is the largest 1-month decrease since the 4.5 percent drop in May 1980, and offset last month's large increase of 3.4 percent.

Shipments of manufactured goods in October declined $0.5 billion or 0.3 percent to $195.7 billion, following a 1.5 percent increase in September. Shipments have fluctuated over the past year since reaching a high last November of $200.1 billion.

Unfilled orders for manufactured goods in October decreased $3.5 billion or 0.9 percent to $365.1 billion, mostly due to a drop in the defense capital goods orders backlog. Excluding defense, unfilled orders declined 0.2 percent.

Manufacturers' inventories declined $0.4 billion or 0.1 percent to $276.2 billion. Since reaching a high in March 1985 of $286.2 billion, inventories have shown a slow downward trend. The inventory to shipments ratio in October was 1.41, the same as September but down from 1.44 in August.

NEW ORDERS. Most of the $7.1 billion decline in new orders was in the durable goods sector, down $5.5 billion or 5.1 percent to $103.2 billion. Within the major industries, transportation equipment was down $2.8 billion or 9.8 percent to $26.1 billion; a large decline in defense aircraft and parts orders was partially offset by an increase in commercial aircraft.

Nonelectrical machinery decreased $1.3 billion or 8.1 percent to $15.2 billion, the third consecutive monthly decline. Most of the October decrease was in engines and turbines. Electrical machinery declined $0.6 billion or 3.7 percent to $17.0 billion, following a 10.8 percent increase in September.

New orders for nondurable goods declined $1.6 billion or 1.8 percent to $89.1 billion.

SHIPMENTS. The decrease in shipments in October resulted from declines in the nondurable goods sector, which in total was down $1.5 billion or 1.6 percent to $88.8 billion. The largest decline was in petroleum products, down $0.5 billion or 4.8 percent to $10.2 billion; this industry had shipments of $17.0 billion in November 1985, before the sharp downturn during the last year.

Shipments of durable goods increased in October $0.9 billion or 0.9 percent to $106.9 billion. The largest increase was in transportation equipment, where the aircraft industry showed a $1.2 billion or 15.3 percent increase to $8.9 billion. Other major industries showed smaller offsetting movements.

UNFILLED ORDERS. Unfilled orders held by durable goods manufacturers declined $3.7 billion or 1.0 percent to $353.8 billion. The largest declines were in transportation equipment and nonelectrical machinery. Transportation was down $2.1 billion or 1.3 percent to $159.2 billion, virtually all of which was in aircraft. Nonelectrical machinery was down $1.5 billion or 2.6 percent to $54.9 billion, mostly due to declines in steam engines and turbines and office and computing equipment.

INVENTORIES. A decline in inventories held by durable goods manufacturers of $0.7 billion or 0.4 percent to $185.4 billion more than offset an increase of $0.3 billion or 0.3 percent in nondurable goods inventories. Inventories of materials and supplies for durable goods declined 1.3 percent, with little change in work in process and finished goods; work in process in nondurable industries increased 1.6 percent, with little change in materials and supplies and finished goods.

SCHEDULED RELEASE DATES. The advance report on durable goods for November is scheduled for release on December 23, 1986 at 8:30 a.m. and the full report on January 2, 1987 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1986P	Sept. 1986r	Aug. 1986	July 1986	Sept.-Oct.P	Aug.-Sept.r	July-Aug.	Oct. 1986P	Sept. 1986r	Aug. 1986	July 1986	1986P	1985
	All manufacturing industries	195,742	196,281	193,305	193,294	-0.3	+1.5	0.0	200,820	207,008	190,795	178,616	1,956,734	1,951,559
	Manufacturing industries with unfilled orders	109,877	109,570	107,264	108,326	+0.3	+2.1	-1.0	112,644	115,565	105,573	98,950	1,080,694	1,056,959
	Durable goods industries	106,942	106,027	104,154	104,980	+0.9	+1.8	-0.8	110,032	111,768	100,573	95,007	1,056,901	1,037,141
	With unfilled orders	86,909	86,218	84,714	85,736	+0.8	+1.8	-1.2	88,734	91,180	82,606	77,887	856,539	846,912
32	Stone, clay, and glass products	4,948	4,941	4,760	4,876	+0.1	+3.8	-2.4	5,246	5,396	5,066	4,824	49,987	48,411
322	Glass containers	450	415	424	445	+8.4	-2.1	-4.7	459	430	459	441	4,374	4,097
33	Primary metals	9,688	9,644	9,358	9,646	+0.5	+3.1	-3.0	9,691	9,734	9,183	8,778	99,455	106,650
331	Blast furnaces, steel mills	3,783	3,833	3,638	4,146	-1.3	+5.4	-12.3	3,722	3,756	3,543	3,781	40,361	44,493
333-9	Nonferrous and other primary metals	4,698	4,683	4,601	4,307	+0.3	+1.8	+6.8	4,731	4,856	4,527	3,958	47,009	49,705
34	Fabricated metal products	14,461	14,266	13,910	14,044	+1.4	+2.6	-1.0	15,107	15,046	14,160	13,114	143,341	141,258
341	Metal cans, barrels, and drums	900	837	920	933	+7.5	-9.0	-1.4	855	947	1,087	1,017	9,447	9,743
35	Machinery, except electrical	16,643	16,597	16,433	17,111	+0.3	+1.0	-4.0	16,508	17,639	15,216	15,466	169,492	175,862
351	Engines and turbines	1,265	1,249	1,159	1,088	+1.3	+7.8	+6.5	1,177	1,313	1,063	968	12,292	12,398
352	Farm machinery and equipment	594	730	835	725	-18.6	-12.6	+15.2	676	754	680	585	8,161	8,828
353	Construction, mining, and material handling equipment	2,436	2,319	2,498	2,872	+5.0	-7.2	-13.0	2,480	2,472	2,276	2,820	27,869	27,789
354	Metalworking machinery	961	918	787	808	+4.7	+16.6	-2.6	1,031	1,003	738	709	8,710	8,629
356	General industrial machinery	1,544	1,463	1,319	1,551	+5.5	+10.9	-15.0	1,610	1,491	1,327	1,436	14,760	14,026
357	Office and computing machines	3,998	4,256	4,018	4,170	-6.1	+5.9	-3.6	3,750	4,775	3,737	3,478	38,595	44,603
36	Electrical machinery	16,886	17,258	16,883	16,172	-2.2	+2.2	+4.4	17,209	18,362	16,375	14,643	161,704	152,768
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,184	2,129	2,143	2,170	+2.6	-0.7	-1.2	2,116	2,298	2,069	1,891	21,175	20,590
363	Household appliances	1,599	1,598	1,515	1,551	+0.1	+5.5	-2.3	1,642	1,750	1,609	1,535	15,089	14,399
365	Radio and TV	1,217	1,203	1,166	1,092	+1.2	+3.2	+6.8	1,368	1,421	1,139	988	10,819	9,141
366	Communication equipment	5,523	5,973	5,791	5,140	-7.5	+3.1	+12.7	5,489	6,076	5,487	4,659	53,471	50,690
367	Electronic components	3,308	3,280	3,347	3,288	+0.9	-2.0	+1.8	3,288	3,487	3,270	2,982	32,988	32,756
37	Transportation equipment	28,271	27,082	26,855	27,297	+4.4	+0.8	-1.6	29,260	28,114	24,095	23,494	272,929	260,526
371	Motor vehicles and parts	17,696	17,777	16,970	16,884	-0.5	+4.8	+0.5	18,894	18,404	14,949	13,968	178,047	171,411
372,6	Aircraft, missiles, and parts	8,900	7,720	8,163	8,750	+15.3	-5.4	-6.7	8,762	8,202	7,563	7,980	79,163	72,629
3731,95	Shipbuilding and military tank vehicles	685	648	754	710	+5.7	-14.1	+6.2	682	656	728	693	6,914	8,187
38	Instruments and related products	4,706	4,568	4,727	4,755	+3.0	-3.4	-0.6	4,841	4,942	4,650	4,363	46,605	46,876
381-4	Scientific and engineering instruments	2,992	2,919	3,169	3,089	+2.5	-7.9	+2.6	2,992	3,147	3,106	2,783	30,460	30,784
386	Photographic goods	1,555	1,492	1,399	1,474	+4.2	+6.6	-5.1	1,675	1,622	1,381	1,396	14,391	14,174
24,25, 39	All other durable goods	11,339	11,671	11,228	11,079	-2.8	+3.9	+1.3	12,170	12,535	11,828	10,325	113,388	104,790
	Nondurable goods industries	88,800	90,254	89,151	88,314	-1.6	+1.2	+0.9	90,788	95,240	90,222	83,609	899,833	914,418
	With unfilled orders	22,968	23,352	22,550	22,590	-1.6	+3.6	-0.2	23,910	24,385	22,967	21,063	224,155	210,047
20	Food and kindred products	26,475	26,552	26,286	26,420	-0.3	+1.0	-0.5	27,178	28,307	26,268	24,971	258,091	246,545
201	Meat products	6,117	6,127	6,102	5,983	-0.2	+0.4	+2.0	6,349	6,262	6,303	5,780	57,369	56,220
208	Beverages	3,924	3,997	4,013	3,934	-1.8	-0.4	+2.0	3,975	4,025	4,290	4,217	40,473	38,271
207	Fats and oils	1,091	1,073	1,077	958	+1.7	-0.4	+12.4	1,089	1,088	1,050	914	10,546	11,449
203-6,9	All other foods	11,943	12,095	11,723	12,170	-1.3	+3.2	-3.7	12,385	13,571	11,254	10,685	116,709	108,273
21	Tobacco products	1,486	1,815	1,781	1,491	-18.1	+1.9	+19.5	1,508	2,013	1,882	1,373	17,320	16,478
22	Textile mill products	4,752	4,693	4,618	4,592	+1.3	+1.6	+0.6	4,963	5,067	4,825	3,925	45,486	43,894
26	Paper and allied products	9,327	9,515	9,299	9,317	-2.0	+2.3	-0.2	9,408	9,704	9,485	8,821	90,972	81,814
261-3,6	Pulp, paper etc.	4,100	4,077	3,929	4,025	+0.6	+3.8	-2.4	4,064	4,115	3,957	3,771	38,529	35,004
265	Paperboard containers	1,781	1,855	1,838	1,827	-4.0	+0.9	+0.6	1,886	1,914	1,884	1,732	18,376	18,210
264	All other paper products	3,446	3,583	3,532	3,465	-3.8	+1.4	+1.9	3,458	3,675	3,644	3,318	34,067	28,600
28	Chemicals and allied products	18,059	17,949	18,060	17,635	+0.6	-0.6	+2.4	17,316	18,767	17,593	16,195	179,771	180,247
281,6	Industrial chemicals, except pigments	5,930	5,958	5,937	5,807	-0.5	+0.4	+2.2	5,663	5,982	5,830	5,459	58,826	59,722
283,4	Drugs, soaps, and toiletries	5,442	5,249	5,153	5,048	+3.7	+1.9	+2.1	5,355	6,162	5,189	4,563	51,622	46,605
29	Petroleum and coal products	10,205	10,718	10,880	10,677	-4.8	-1.5	+1.9	10,307	11,006	11,023	10,731	120,931	160,089
30	Rubber and plastics products	4,007	3,984	3,804	3,759	+0.6	+4.7	+1.2	4,270	4,250	3,925	3,619	40,126	40,654
23,27, 31	All other nondurable goods	14,489	15,028	14,423	14,423	-3.6	+4.2	0.0	15,838	16,126	15,221	13,974	147,136	144,697
	Market categories:													
	Home goods and apparel	13,406	14,107	13,631	13,454	-5.0	+3.5	+1.3	14,897	15,891	14,845	12,480	137,441	133,570
	Consumer staples	37,692	38,088	37,280	37,193	-1.0	+2.2	+0.2	38,653	40,939	37,341	35,083	368,045	345,230
	Equipment and defense products, except automotive	30,351	29,735	30,631	30,434	+2.1	-2.9	+0.6	30,195	31,613	28,916	27,571	298,439	298,228
	Automotive equipment	19,702	19,696	18,831	18,748	0.0	+4.6	+0.4	20,928	20,331	16,829	15,783	197,072	190,966
	Construction materials, supplies and intermediate products	18,445	18,346	17,685	17,901	+0.5	+3.7	-1.2	19,313	19,669	18,633	17,746	183,361	174,376
	Other materials, supplies, and intermediate products	76,146	76,309	75,247	75,564	-0.2	+1.4	-0.4	76,834	78,565	74,231	69,953	772,376	809,189
	Supplementary series:[2]													
	Capital goods industries	35,732	34,768	34,928	35,503	+2.8	-0.5	-1.6	35,549	36,860	32,775	32,170	342,928	335,788
	Nondefense	27,681	27,081	27,284	27,420	+2.2	-0.7	-0.5	27,462	28,805	25,425	24,711	267,624	267,565
	Defense	8,051	7,687	7,644	8,083	+4.7	+0.6	-5.4	8,087	8,055	7,350	7,459	75,304	68,223
	Household durable goods industries	7,041	7,489	7,147	6,940	-6.0	+4.8	+3.0	7,756	8,523	7,477	6,142	70,416	65,464

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1986P	Sept. 1986r	Aug. 1986	July 1986	Sept.-Oct.P	Aug.-Sept.r	July-Aug.	Oct. 1986P	Sept. 1986r	Aug. 1986	July 1986	1986P	1985
	All manufacturing industries	192,284	199,399	192,836	194,560	-3.6	+3.4	-0.9	199,157	208,321	186,986	177,464	1,955,620	1,958,527
	Manufacturing industries with unfilled orders	106,419	112,688	106,795	109,592	-5.6	+5.5	-2.6	110,981	116,878	101,764	97,798	1,079,580	1,063,926
	Durable goods industries	103,221	108,723	103,845	106,220	-5.1	+4.7	-2.2	108,267	112,745	96,996	93,742	1,055,083	1,043,742
	With unfilled orders	83,188	88,914	84,405	86,976	-6.4	+5.3	-3.0	86,969	92,157	79,029	76,622	854,721	853,513
32	Stone, clay, and glass products	4,891	4,960	4,787	4,809	-1.4	+3.6	-0.5	5,133	5,359	5,028	4,775	49,903	48,583
33	Primary metals	9,636	9,842	10,245	9,060	-2.1	-3.9	+13.1	9,441	9,588	9,929	8,088	98,736	107,031
331	Blast furnaces, steel mills	3,582	4,212	4,488	3,678	-15.0	-6.1	+22.0	3,467	3,903	4,342	3,229	40,252	44,852
333-9	Nonferrous and other primary metals	4,669	4,504	4,557	4,285	+3.7	-1.2	+6.3	4,518	4,589	4,490	3,830	45,890	49,404
34	Fabricated metal products	14,311	14,051	13,702	13,993	+1.9	+2.5	-2.1	14,625	14,759	13,859	13,020	141,983	139,951
35	Machinery, except electrical	15,181	16,523	16,603	17,233	-8.1	-0.5	-3.7	15,763	17,091	15,168	14,963	165,081	175,539
351	Engines and turbines	714	1,541	900	962	-53.7	+71.2	-6.4	1,114	1,510	952	906	11,917	12,091
353	Construction, mining, and material handling equipment	2,435	2,170	2,517	2,624	+12.2	-13.8	-4.1	2,474	2,320	2,220	2,592	26,320	28,076
354	Metalworking machinery	786	980	693	849	-19.8	+41.4	-18.4	872	967	750	787	8,412	9,459
356	General industrial machinery	1,499	1,416	1,303	1,470	+5.9	+8.7	-11.4	1,594	1,386	1,315	1,351	14,615	13,756
357	Office and computing machines	3,524	3,868	4,735	4,632	-8.9	-18.3	+2.2	3,325	4,267	3,938	3,402	37,012	44,697
36	Electrical machinery	17,026	17,672	15,952	16,953	-3.7	+10.8	-5.9	17,242	18,612	15,533	14,859	164,280	156,838
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,185	2,228	2,131	2,230	-1.9	+4.6	-4.4	2,116	2,363	2,082	1,950	20,966	20,374
363	Household appliances	1,599	1,653	1,516	1,560	-3.3	+9.0	-2.8	1,582	1,778	1,609	1,552	15,079	14,447
365	Radio and TV	1,358	1,280	1,140	1,024	+6.1	+12.3	+11.3	1,306	1,496	1,212	919	10,826	9,310
366	Communication equipment	5,794	6,341	5,264	5,950	-8.6	+20.5	-11.5	5,885	6,706	5,014	4,840	57,182	58,266
367	Electronic components	3,070	3,059	3,014	3,245	+0.4	+1.5	-7.1	3,083	2,944	2,808	2,970	31,842	29,207
37	Transportation equipment	26,123	28,964	26,704	28,359	-9.8	+8.5	-5.8	29,330	29,772	21,096	23,211	274,526	263,695
372,6	Aircraft, missiles, and parts	6,853	9,530	8,525	9,226	-28.1	+11.8	-7.6	8,792	9,872	5,219	7,182	80,750	78,867
3731,95	Shipbuilding and military tank vehicles	318	774	550	1,498	-58.9	+40.7	-63.3	348	739	358	1,222	7,091	5,900
38	Instruments and related products	4,771	4,843	4,607	4,820	-1.5	+5.1	-4.4	4,827	5,159	4,532	4,414	46,611	47,144
24,25, 39	All other durable goods	11,282	11,868	11,245	10,993	-4.9	+5.5	+2.3	11,906	12,405	11,851	10,412	113,963	104,961
	Nondurable goods industries	89,063	90,676	88,991	88,340	-1.8	+1.9	+0.7	90,890	95,576	89,990	83,722	900,537	914,785
	With unfilled orders	23,231	23,774	22,390	22,616	-2.3	+6.2	-1.0	24,012	24,721	22,735	21,176	224,859	210,413
	Market categories:													
	Home goods and apparel	13,507	14,332	13,755	13,273	-5.8	+4.2	+3.6	14,537	15,798	14,979	12,472	138,068	134,033
	Consumer staples	37,728	38,044	37,231	37,198	-0.8	+2.2	+0.1	38,673	40,924	37,331	35,118	368,051	345,341
	Equipment and defense products, except automotive	27,057	30,473	30,501	32,404	-11.2	-0.1	-5.9	29,673	32,106	25,994	26,847	297,412	304,952
	Automotive equipment	19,955	19,681	18,533	18,631	+1.4	+6.2	-0.5	21,295	20,285	16,576	15,839	196,988	190,299
	Construction materials, supplies and intermediate products	18,297	18,250	17,577	17,980	+0.3	+3.8	-2.2	18,960	19,478	18,449	17,817	182,861	174,384
	Other materials, supplies, and intermediate products	75,740	78,619	75,239	75,074	-3.7	+4.5	+0.2	76,019	79,730	73,657	69,371	772,240	809,518
	Supplementary series:[2]													
	Capital goods industries	32,004	37,060	34,657	37,544	-13.6	+6.9	-7.7	34,765	38,715	29,497	31,409	343,602	346,130
	Nondefense	26,879	28,222	26,325	27,387	-4.8	+7.2	-3.9	28,084	29,027	24,264	24,314	265,975	268,551
	Defense	5,125	8,838	8,332	10,157	-42.0	+6.1	-18.0	6,681	9,688	5,233	7,095	77,627	77,579
	Household durable goods industries	7,175	7,707	7,235	6,762	-6.9	+6.5	+7.0	7,445	8,443	7,610	6,120	70,981	65,808

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Sessonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1986p	Sept. 1986r	Aug. 1986	July 1986	Sept.-Oct.p	Aug.-Sept.r	July.-Aug.	Oct. 1986p	Sept. 1986r	Aug. 1986	July 1986	Oct. 1985
	All manufacturing industries..	365,139	368,597	365,479	365,948	-0.9	+0.9	-0.1	360,246	361,909	360,596	364,405	359,908
	Durable goods industries.....	353,778	357,499	354,803	355,112	-1.0	+0.8	-0.1	349,073	350,838	349,861	353,438	349,628
32	Stone, clay, and glass products...	2,637	2,694	2,675	2,648	-2.1	+0.7	+1.0	2,549	2,662	2,699	2,737	2,569
33	Primary metals.....	19,376	19,428	19,230	18,343	-0.3	+1.0	+4.8	18,411	18,661	18,807	18,061	18,885
331	Blast furnaces, steel mills.....	9,368	9,569	9,190	8,340	-2.1	+4.1	+10.2	8,797	9,052	8,905	8,106	8,761
333-9	Nonferrous and other primary metals.....	5,948	5,977	6,156	6,200	-0.5	-2.9	-0.7	5,627	5,840	6,107	6,144	6,815
34	Fabricated metal products.....	18,810	18,960	19,175	19,383	-0.8	-1.1	-1.1	18,599	19,081	19,368	19,669	19,874
35	Machinery, except electrical.....	54,922	56,384	56,458	56,288	-2.6	-0.1	+0.3	54,642	55,387	55,935	55,983	60,649
351	Engines and turbines.....	14,267	14,818	14,526	14,785	-3.7	+2.0	-1.8	14,652	14,715	14,518	14,629	14,855
353	Construction, mining, and material handling equipment....	4,831	4,832	4,981	4,962	0.0	-3.0	+0.4	4,768	4,774	4,926	4,982	6,179
354	Metalworking machinery.....	3,534	3,709	3,647	3,741	-4.7	+1.7	-2.5	3,580	3,739	3,775	3,763	4,473
356	General industrial machinery....	4,123	4,168	4,215	4,231	-1.1	-1.1	-0.4	4,098	4,114	4,219	4,231	4,391
357	Office and computing machines...	17,769	18,243	18,631	17,914	-2.6	-2.1	+4.0	17,307	17,732	18,240	18,039	20,364
36	Electrical machinery.....	84,667	84,527	84,113	85,044	+0.2	+0.5	-1.1	84,017	83,984	83,734	84,576	81,985
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,557	5,556	5,457	5,469	0.0	+1.8	-0.2	5,532	5,532	5,467	5,454	5,966
363	Household appliances.....	403	403	348	347	0.0	+15.8	+0.3	347	407	379	379	411
365	Radio and TV.....	505	364	287	313	+38.7	+26.8	-8.3	445	507	432	359	604
366	Communication equipment.....	61,614	61,343	60,975	61,502	+0.4	+0.6	-0.9	61,244	60,848	60,218	60,691	58,145
367	Electronic components.....	14,974	15,212	15,433	15,766	-1.6	-1.4	-2.1	14,824	15,029	15,572	16,034	15,347
37	Transportation equipment.....	159,158	161,306	159,424	159,575	-1.3	+1.2	-0.1	156,772	156,702	155,044	158,043	151,730
372,6	Aircrsft, missiles, and parts...	134,830	136,877	135,067	134,705	-1.5	+1.3	+0.3	133,119	133,089	131,419	133,763	126,775
3731,95	Shipbuilding and military tank vehicles.....	18,403	18,770	18,644	18,848	-2.0	+0.7	-1.1	17,764	18,098	18,015	18,385	18,570
38	Instruments and related products..	8,676	8,611	8,336	8,456	+0.8	+3.3	-1.4	8,610	8,624	8,407	8,525	8,582
24,25, 39	All other durable goods.....	5,532	5,589	5,392	5,375	-1.0	+3.7	+0.3	5,473	5,737	5,867	5,844	5,354
	Nondurable goods industries.....	11,361	11,098	10,676	10,836	+2.4	+4.0	-1.5	11,173	11,071	10,735	10,967	10,280
	Market categories:												
	Home goods and apparel.....	4,483	4,382	4,157	4,033	+2.3	+5.4	+3.1	4,245	4,605	4,698	4,564	4,291
	Consumer staples.....	719	683	727	776	+5.3	-6.1	-6.3	739	719	734	744	744
	Equipment and defense products, except automotive.....	229,846	233,140	232,402	232,532	-1.4	+0.3	-0.1	227,233	227,755	227,262	230,184	226,625
	Automotive equipment.....	5,492	5,239	5,254	5,552	+4.8	-0.3	-5.4	5,470	5,103	5,149	5,402	5,822
	Construction materials, supplies and intermediate products.....	11,615	11,763	11,859	11,967	-1.3	-0.8	-0.9	11,476	11,829	12,020	12,204	12,203
	Other materials, supplies, and intermediate products.....	112,984	113,390	111,080	111,088	-0.4	+2.1	0.0	111,083	111,898	110,733	111,307	110,223
	Supplementary series:[2]												
	Capital goods industries.....	279,168	282,896	280,604	280,875	-1.3	+0.8	-0.1	276,214	276,998	275,143	278,421	274,198
	Nondefense.....	130,980	131,782	130,641	131,600	-0.6	+0.9	-0.7	131,053	130,431	130,209	131,370	133,814
	Defense.....	148,188	151,114	149,963	149,275	-1.9	+0.8	+0.5	145,161	146,567	144,934	147,051	140,384
	Household durable goods industries.....	3,962	3,828	3,610	3,522	+3.5	+6.0	+2.5	3,745	4,056	4,136	4,003	3,775

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1986p	Sept. 1986r	Aug. 1986	July 1986	Sept.-Oct.p	Aug.-Sept.r	July-Aug.	Oct. 1986p	Sept. 1986r	Aug. 1986	July 1986	Oct. 1985
	All manufacturing industries..	276,199	276,574	277,473	278,613	-0.1	-0.3	-0.4	275,792	275,097	277,799	278,441	282,136
	Manufacturing iodustries with unfilled orders.....	194,068	194,469	194,689	195,343	-0.2	-0.1	-0.3	193,377	193,677	195,505	196,374	197,918
	Durable goods industries.....	185,439	186,102	186,045	186,858	-0.4	0.0	-0.4	184,824	185,275	186,580	187,101	189,961
	With unfilled orders.....	170,405	170,885	171,148	171,854	-0.3	-0.2	-0.4	170,104	170,364	171,749	172,396	174,754
32	Stone, clay, and glass products...	5,487	5,529	5,673	5,608	-0.8	-2.5	+1.2	5,312	5,385	5,640	5,621	5,466
322	Glass containers.....	652	644	631	639	+1.2	+2.1	-1.3	645	629	635	643	615
33	Primary metals.....	15,429	15,855	16,212	16,724	-2.7	-2.2	-3.1	15,379	15,790	16,206	16,734	18,108
331	Blast furnaces, steel mills.....	6,212	6,515	6,805	7,164	-4.7	-4.3	-5.0	6,280	6,561	6,866	7,236	8,229
333-9	Nonferrous and other primary metals.....	8,054	8,140	8,208	8,305	-1.1	-0.8	-1.2	7,949	8,042	8,167	8,272	8,660
34	Fabricated metal products.....	18,493	18,734	18,511	18,685	-1.3	+1.2	-0.9	18,141	18,375	18,542	18,811	18,943
341	Metal cans, barrels, and drums..	2,394	2,460	2,146	2,148	-2.7	+14.6	-0.1	2,028	2,108	2,077	2,270	1,999
35	Machinery, except electrical.....	36,776	36,784	37,055	37,220	0.0	-0.7	-0.4	36,681	36,618	37,113	37,322	39,914
351	Engines and turbines.....	1,946	1,963	1,981	1,942	-0.9	-0.9	+2.0	1,951	1,925	1,946	1,938	1,959
352	Farm machinery and equipment....	1,705	1,610	1,657	1,699	+5.9	-2.8	-2.5	1,623	1,623	1,650	1,672	1,733
353	Construction, mining, and material handling equipment....	5,870	5,904	5,780	5,746	-0.6	+2.1	+0.6	5,829	5,839	5,786	5,717	6,319
354	Metalworking machinery.....	2,733	2,753	2,731	2,741	-0.7	+0.8	-0.4	2,744	2,736	2,761	2,768	2,731
356	General industrial machinery....	3,199	3,181	3,265	3,274	+0.6	-2.6	-0.3	3,157	3,149	3,226	3,277	3,376
357	Office and computing machines...	10,302	10,294	10,688	10,760	+0.1	-3.7	-0.7	10,395	10,356	10,880	10,975	12,595
36	Electrical machinery.....	34,416	34,529	34,596	34,570	-0.3	-0.2	+0.1	34,327	34,378	34,795	34,789	33,830
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,091	4,137	4,156	4,206	-1.1	-0.5	-1.2	4,134	4,118	4,168	4,213	4,445
363	Household appliances.....	2,421	2,401	2,382	2,414	+0.8	+0.8	-1.3	2,305	2,262	2,330	2,438	2,225
365	Radio and TV.....	1,629	1,585	1,622	1,659	+2.8	-2.3	-2.2	1,609	1,645	1,711	1,722	1,356
366	Communication equipment.....	15,094	15,248	15,335	15,240	-1.0	-0.6	+0.6	15,152	15,210	15,379	15,302	14,911
367	Electronic components.....	6,023	6,021	6,030	5,941	0.0	-0.1	+1.5	6,005	5,985	6,060	5,989	6,120
37	Transportation equipment.....	50,697	50,804	50,037	50,061	-0.2	+1.5	0.0	51,000	50,832	50,172	49,694	49,589
371	Motor vehicles and parts.....	10,640	10,642	10,674	10,892	0.0	-0.3	-2.0	10,872	10,784	10,769	10,410	11,511
372,6	Aircraft, missiles, and parts...	36,659	36,662	35,950	35,774	0.0	+2.0	+0.5	36,727	36,578	36,099	35,990	34,912
3731,95	Shipbuilding and military tank vehicles.....	1,788	1,746	1,709	1,679	+2.4	+2.2	+1.8	1,798	1,754	1,668	1,682	1,512
38	Instruments and related products..	9,762	9,608	9,552	9,545	+1.6	+0.6	+0.1	9,678	9,600	9,610	9,627	9,656
381-4	Scientific and engineering instruments.....	6,908	6,784	6,688	6,668	+1.8	+1.4	+0.3	6,846	6,750	6,681	6,715	6,938
386	Photographic goods.....	2,239	2,195	2,224	2,242	+2.0	-1.3	-0.8	2,237	2,224	2,284	2,267	2,115
24,25, 39	All other durable goods.....	14,379	14,259	14,409	14,445	+0.8	-1.0	-0.2	14,306	14,297	14,502	14,503	14,455
	Nondurable goods industries.....	90,760	90,472	91,428	91,755	+0.3	-1.0	-0.4	90,968	89,822	91,219	91,340	92,175
	With unfilled orders.....	23,663	23,584	23,541	23,489	+0.3	+0.2	+0.2	23,273	23,313	23,756	23,978	23,164
20	Food and kindred products.....	21,095	21,054	21,725	21,782	+0.2	-3.1	-0.3	22,193	21,332	21,606	20,806	22,202
201	Meat products.....	2,265	2,318	2,353	2,299	-2.3	-1.5	+2.3	2,238	2,170	2,219	2,223	2,351
208	Beverages.....	3,389	3,469	3,553	3,562	-2.3	-2.4	-0.3	3,348	3,382	3,400	3,462	3,398
207	Fats and oils.....	1,076	1,047	1,036	1,031	+2.8	+1.1	+0.5	1,100	822	854	892	1,130
203-6,9	All other foods.....	12,529	12,423	13,008	13,175	+0.9	-4.5	-1.3	13,682	13,181	13,333	12,464	13,631
21	Tobacco products.....	3,034	2,974	2,982	3,086	+2.0	-0.3	-3.4	3,083	2,956	2,806	2,796	3,367
22	Textile mill products.....	6,420	6,397	6,337	6,531	+0.4	+0.9	-3.0	6,206	6,276	6,323	6,573	6,551
26	Paper and allied products.....	9,955	10,065	10,114	10,029	-1.1	-0.5	+0.8	9,834	9,842	10,026	10,086	9,512
261-3,6	Pulp, paper etc.....	3,919	3,906	3,885	3,931	+0.3	+0.5	-1.2	3,899	3,832	3,876	3,933	3,701
265	Paperboard containers.....	2,381	2,411	2,379	2,298	-1.2	+1.3	+3.5	2,336	2,372	2,377	2,342	2,232
264	All other paper products.....	3,655	3,748	3,850	3,800	-2.5	-2.6	+1.3	3,599	3,638	3,773	3,811	3,579
28	Chemicals and allied products.....	22,366	22,141	22,085	22,252	+1.0	+0.3	-0.8	22,132	21,675	21,971	22,241	21,472
281,6	Industrial chemicals, except pigments.....	6,732	6,658	6,676	6,661	+1.1	-0.3	+0.2	6,685	6,558	6,683	6,694	6,589
283,4	Drugs, soaps, and toiletries....	7,305	7,223	7,297	7,334	+1.1	-1.0	-0.5	7,217	7,100	7,304	7,371	6,845
29	Petroleum and coal products.....	5,514	5,478	5,767	5,852	+0.7	-5.0	-1.5	5,654	5,567	5,783	5,858	7,373
30	Rubber and plastics products.....	6,163	6,285	6,314	6,301	-1.9	-0.5	+0.2	6,041	6,128	6,178	6,313	5,966
23,27, 31	All other nondurable goods.....	16,213	16,078	16,104	15,922	+0.8	-0.2	+1.1	15,825	16,046	16,526	16,667	15,732
	Market categories:												
	Home goods and apparel.....	22,383	22,228	22,421	22,411	+0.7	-0.9	0.0	21,772	22,041	22,741	23,060	21,310
	Consumer staples.....	34,117	33,946	34,706	34,930	+0.5	-2.2	-0.6	35,088	34,340	34,682	33,949	34,996
	Equipment and defense products, except automotive.....	82,882	83,062	82,667	82,865	-0.2	+0.5	-0.2	82,826	82,478	82,708	83,058	85,099
	Automotive equipment.....	12,797	12,937	12,980	13,181	-1.1	-0.3	-1.5	12,953	12,992	12,963	12,580	13,803
	Construction materials, supplies and intermediate products.....	18,155	18,278	18,479	18,454	-0.7	-1.1	+0.1	17,981	18,104	18,436	18,455	18,609
	Other materials, supplies, and intermediate products.....	105,865	106,123	106,220	106,772	-0.2	-0.1	-0.5	105,172	105,142	106,269	107,339	108,319
	Supplementary aeries:[2]												
	Capital goods industries.....	97,287	97,465	96,981	96,834	-0.2	+0.5	+0.2	97,354	97,095	97,274	97,300	97,981
	Nondefense.....	68,050	68,429	68,515	68,685	-0.6	-0.1	-0.2	68,401	68,237	68,713	68,728	71,667
	Defense.....	29,237	29,036	28,466	28,149	+0.7	+2.0	+1.1	28,953	28,858	28,561	28,572	26,314
	Household durable goods industries.....	11,599	11,446	11,567	11,638	+1.3	-1.0	-0.6	11,360	11,376	11,759	11,857	10,946

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Oct. 1986p	Sept. 1986r	Aug. 1986	July 1986	Sept.-Oct.p	Aug.-Sept.r	July-Aug.	Oct. 1986p	Sept. 1986r	Aug. 1986	July 1986	Oct. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,859	86,419	86,562	87,023	-0.6	-0.2	-0.5	85,367	85,694	86,274	86,942	88,717
	Durable goods industries.....	50,408	51,052	50,878	51,338	-1.3	+0.3	-0.9	50,460	51,051	51,121	51,460	53,725
32	Stone, clay, and glass products...	1,704	1,697	1,761	1,749	+0.4	-3.6	+0.7	1,700	1,700	1,771	1,753	1,764
33	Primary metals.....	4,490	4,564	4,596	4,836	-1.6	-0.7	-5.0	4,563	4,584	4,585	4,792	5,581
34	Fabricated metal products.....	6,708	6,880	6,946	7,101	-2.5	-1.0	-2.2	6,616	6,828	6,957	7,165	7,373
35	Machinery, except electrical.....	10,360	10,524	10,442	10,281	-1.6	+0.8	+1.6	10,326	10,421	10,413	10,335	11,266
36	Electrical Machinery.....	7,688	7,871	7,855	7,961	-2.3	+0.2	-1.3	7,627	7,873	7,923	8,108	7,995
37	Transportation equipment.....	11,515	11,625	11,281	11,395	-0.9	+3.0	-1.0	11,501	11,607	11,417	11,293	11,578
38	Instruments and related products..	2,641	2,625	2,662	2,682	+0.6	-1.4	-0.7	2,649	2,656	2,663	2,683	2,715
24,25, 39	All other durable goods.....	5,302	5,266	5,335	5,333	+0.7	-1.3	0.0	5,478	5,382	5,392	5,331	5,453
	Nondurable goods industries.....	35,451	35,367	35,684	35,685	+0.2	-0.9	0.0	34,907	34,643	35,153	35,482	34,992
20	Food and kindred products.....	7,827	7,845	8,069	7,963	-0.2	-2.8	+1.3	7,855	7,401	7,653	7,626	7,579
21	Tobacco products.....	2,408	2,419	2,419	2,552	-0.5	0.0	-5.2	2,281	2,330	2,301	2,335	2,658
22	Textile mill products.....	1,938	1,885	1,947	1,964	+2.8	-3.2	-0.9	1,824	1,832	1,943	2,014	1,948
26	Paper and allied products.....	4,915	4,976	4,963	4,921	-1.2	+0.3	+0.9	4,896	4,936	4,920	4,958	4,633
28	Chemicals and allied products.....	8,520	8,348	8,326	8,382	+2.1	+0.3	-0.7	8,350	8,319	8,341	8,450	7,921
29	Petroleum and coal products.....	1,644	1,623	1,684	1,627	+1.3	-3.6	+3.5	1,638	1,583	1,654	1,643	1,856
30	Rubber and plastics products.....	2,232	2,265	2,292	2,205	-1.5	-1.2	+3.9	2,228	2,230	2,218	2,231	2,029
23,27, 31	All other nondurable goods.....	5,967	6,006	5,984	6,071	-0.6	+0.4	-1.4	5,835	6,012	6,123	6,225	6,368
	WORK IN PROCESS												
	All manufacturing industries..	104,642	104,635	104,177	104,306	0.0	+0.4	-0.1	105,030	104,602	104,693	104,285	106,070
	Durable goods industries.....	90,685	90,898	90,673	90,518	-0.2	+0.2	+0.2	90,945	90,768	91,019	90,420	91,375
32	Stone, clay, and glass products...	733	746	761	766	-1.7	-2.0	-0.7	700	726	747	751	777
33	Primary metals.....	6,600	6,746	6,845	6,874	-2.2	-1.4	-0.4	6,568	6,755	6,938	6,943	7,236
34	Fabricated metal products.....	6,828	6,942	6,766	6,769	-1.6	+2.6	0.0	6,755	6,856	6,803	6,884	6,958
35	Machinery, except electrical.....	14,721	14,833	15,186	15,094	-0.8	-2.3	+0.6	14,850	14,778	15,190	14,961	16,304
36	Electrical Machinery.....	20,489	20,353	20,378	20,157	+0.7	-0.1	+1.1	20,529	20,275	20,492	20,207	19,720
37	Transportation equipment.....	33,979	34,022	33,523	33,591	-0.1	+1.5	-0.2	34,276	34,138	33,590	33,356	32,716
38	Instruments and related products..	4,066	4,032	3,948	3,950	+0.8	+2.1	-0.1	4,035	4,003	3,972	3,980	4,173
24,25, 39	All other durable goods.....	3,269	3,224	3,266	3,317	+1.4	-1.3	-1.5	3,232	3,237	3,287	3,338	3,491
	Nondurable goods industries.....	13,957	13,737	13,504	13,788	+1.6	+1.7	-2.1	14,085	13,834	13,674	13,865	14,695
20	Food and kindred products.....	1,683	1,664	1,669	1,700	+1.1	-0.3	-1.8	1,664	1,625	1,621	1,633	1,636
21	Tobacco products.....	297	259	276	258	+14.7	-6.2	+7.0	476	350	237	201	405
22	Textile mill products.....	1,937	1,902	1,836	1,984	+1.8	+3.6	-7.5	1,929	1,904	1,829	1,959	2,048
26	Paper and allied products.....	1,187	1,157	1,170	1,169	+2.6	-1.1	+0.1	1,189	1,175	1,203	1,187	1,143
28	Chemicals and allied products.....	3,534	3,483	3,351	3,469	+1.5	+3.9	-3.4	3,531	3,475	3,380	3,494	3,736
29	Petroleum and coal products.....	768	733	758	764	+4.8	-3.3	-0.8	750	737	789	782	1,278
30	Rubber and plastics products.....	1,165	1,233	1,169	1,175	-5.5	+5.5	-0.5	1,172	1,251	1,197	1,193	1,181
23,27, 31	All other nondurable goods.....	3,386	3,306	3,275	3,269	+2.4	+0.9	+0.2	3,374	3,317	3,418	3,416	3,268
	FINISHED GOODS												
	All manufacturing industries..	85,698	85,520	86,734	87,284	+0.2	-1.4	-0.6	85,395	84,801	86,832	87,214	87,349
	Durable goods industries.....	44,346	44,152	44,494	45,002	+0.4	-0.8	-1.1	43,419	43,456	44,440	45,221	44,861
32	Stone, clay, and glass products...	3,050	3,086	3,151	3,093	-1.2	-2.1	+1.9	2,912	2,959	3,122	3,117	2,925
33	Primary metals.....	4,339	4,545	4,771	5,014	-4.5	-4.7	-4.8	4,248	4,451	4,683	4,999	5,291
34	Fabricated metal products.....	4,957	4,912	4,799	4,815	+0.9	+2.4	-0.3	4,770	4,691	4,782	4,762	4,612
35	Machinery, except electrical.....	11,695	11,427	11,427	11,845	+2.3	0.0	-3.5	11,505	11,419	11,510	12,026	12,344
36	Electrical Machinery.....	6,239	6,305	6,363	6,452	-1.0	-0.9	-1.4	6,171	6,230	6,380	6,474	6,115
37	Transportation equipment.....	5,203	5,157	5,233	5,075	+0.9	-1.5	+3.1	5,223	5,087	5,165	5,045	5,295
38	Instruments and related products..	3,055	2,951	2,942	2,913	+3.5	+0.3	+1.0	2,994	2,941	2,975	2,964	2,768
24,25, 39	All other durable goods.....	5,808	5,769	5,808	5,795	+0.7	-0.7	+0.2	5,596	5,678	5,823	5,834	5,511
	Nondurable goods industries.....	41,352	41,368	42,240	42,282	0.0	-2.1	-0.1	41,976	41,345	42,392	41,993	42,488
20	Food and kindred products.....	11,585	11,545	11,987	12,119	+0.3	-3.7	-1.1	12,674	12,306	12,332	11,547	12,987
21	Tobacco products.....	329	296	287	276	+11.1	+3.1	+4.0	326	276	268	260	304
22	Textile mill products.....	2,545	2,610	2,556	2,583	-2.5	+2.2	-1.1	2,453	2,540	2,551	2,600	2,555
26	Paper and allied products.....	3,853	3,932	3,981	3,939	-2.0	-1.2	+1.1	3,749	3,731	3,903	3,941	3,736
28	Chemicals and allied products.....	10,312	10,310	10,408	10,401	0.0	-0.9	+0.1	10,251	9,881	10,250	10,297	9,815
29	Petroleum and coal products.....	3,102	3,122	3,325	3,461	-0.6	-6.1	-3.9	3,266	3,247	3,340	3,433	4,239
30	Rubber and plastics products.....	2,766	2,787	2,853	2,921	-0.8	-2.3	-2.3	2,641	2,647	2,763	2,889	2,756
23,27, 31	All other nondurable goods.....	6,860	6,766	6,845	6,582	+1.4	-1.2	+4.0	6,616	6,717	6,985	7,026	6,096

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Oct. 1986P	Sept. 1986r	Aug. 1986	July 1986	Oct. 1986P	Sept. 1986r	Aug. 1986	July 1986
	All manufacturing industries	1.41	1.41	1.44	1.44	3.32	3.36	3.41	3.38
	Durable goods industries	1.73	1.76	1.79	1.78	4.07	4.15	4.19	4.14
32	Stone, clay, and glass products	1.11	1.12	1.19	1.15	0.59	0.60	0.62	0.60
33	Primary metals	1.59	1.64	1.73	1.73	2.00	2.01	2.05	1.90
34	Fabricated metal products	1.28	1.31	1.33	1.33	1.39	1.41	1.48	1.48
35	Machinery, except electrical	2.21	2.22	2.25	2.18	3.42	3.55	3.62	3.44
36	Electrical machinery	2.04	2.00	2.05	2.14	5.01	4.90	4.98	5.26
37	Transportation equipment	1.79	1.88	1.86	1.83	10.08	10.96	10.73	10.33
38	Instruments and related products	2.07	2.10	2.02	2.01	1.84	1.89	1.76	1.78
	Nondurable goods industries	1.02	1.00	1.03	1.04	0.49	0.48	0.47	0.48
20	Food and kindred products	0.80	0.79	0.83	0.82	(X)	(X)	(X)	(X)
21	Tobacco products	2.04	1.64	1.67	2.07	(X)	(X)	(X)	(X)
22	Textile mill products	1.35	1.36	1.37	1.42	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.07	1.06	1.09	1.08	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.24	1.23	1.22	1.26	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.54	0.51	0.53	0.55	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.54	1.58	1.66	1.68	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Oct. 1985	All Octs. 1981-1985	Oct. 1985-Sept. 1986	Year ago Oct. 1985	All Octs. 1981-1985	Oct. 1985-Sept. 1986	Year ago Oct. 1985	All Octs. 1981-1985	Oct. 1985-Sept. 1986	Year ago Oct. 1985	All Octs. 1981-1985	Oct. 1985-Sept. 1986
	All manufacturing industries.	0.2	0.2	0.3	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.4	0.4	0.4	0.1	0.5	0.6	0.1	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products..	2.1	1.7	1.2	1.7	1.7	1.2	0.6	0.6	0.8	0.1	0.8	0.3
33	Primary metals	0.1	0.2	0.6	0.2	0.4	0.7	0.1	0.1	0.3	0.4	0.3	0.2
34	Fabricated metal products	0.0	0.9	0.9	0.4	1.0	1.2	0.3	0.2	0.5	2.3	0.7	0.6
35	Machinery, except electrical	0.3	0.5	0.6	0.4	0.7	1.2	0.2	0.1	0.2	0.0	0.4	0.2
36	Electrical machinery	0.7	0.6	0.8	0.4	0.7	1.3	0.1	0.1	0.2	0.8	0.3	0.2
37	Transportation equipment	0.2	0.4	0.3	0.7	1.5	1.5	0.2	0.2	0.2	0.0	0.1	0.1
38	Instruments and related products.	1.0	0.8	0.8	1.1	1.1	1.1	0.0	0.2	0.4	0.7	0.4	0.3
	Nondurable goods industries	0.2	0.1	0.3	0.2	0.1	0.3	0.6	0.4	0.4	0.3	0.2	0.2
20	Food and kindred products	0.5	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.5	0.3
21	Tobacco products	0.0	0.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
22	Textile mill products	1.1	0.6	1.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.2	1.5	1.0
26	Paper and allied products	0.7	0.7	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.3
28	Chemicals and allied product	0.4	1.1	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.4	0.4
29	Petroleum and coal products	0.5	0.6	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5	0.6
30	Rubber and plastics products	0.0	1.0	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.5	0.6
	Capital goods industries:												
	Nondefense	0.8	0.6	0.5	0.2	0.9	0.7	0.1	0.2	0.1	0.1	0.1	0.1
	Defense	0.3	0.9	1.0	2.5	2.6	4.2	0.2	0.2	0.2	0.9	0.2	0.4

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C 51158
M3-1 (86)-11

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

November 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(86)-11
For Wire Transmission 10:00 a.m. E.S.T. Friday, January 2, 1987

(All Figures in text are in seasonally adjusted current dollars)

NOTICE - Impending changes in the M3 survey, effective with the February 1987 advance report on durable goods, are outlined on page 8.

SUMMARY. New orders for manufactured goods in November increased $7.9 billion or 4.1 percent to $200.4 billion. The increase was largely attributable to large defense orders and orders for nondurable goods.

Shipments of manufactured goods increased $2.0 billion or 1.0 percent to $198.2 billion. Nondurable goods increased 2.6 percent; durable goods declined 0.2 percent. Unfilled orders for manufactured goods increased $2.2 billion or 0.6 percent to $367.1 billion. About two-thirds of the increase resulted from defense orders. Excluding defense, the orders backlog was up 0.2 percent.

Inventories held by manufacturers increased $0.6 billion or 0.2 percent in November to $276.6 billion. Both the durable and nondurable goods sectors were up 0.2 percent. By stage of fabrication, the inventory increase was concentrated in finished goods, which were up 1.4 percent. Materials and supplies decreased 0.2 percent and work in process declined 0.4 percent.

NEW ORDERS. Over two-thirds of the $7.9 billion increase in manufacturers' orders occurred in the durable goods sector. Orders for durable goods were up $5.7 billion or 5.5 percent to $109.3 billion, following a 4.7 percent decline in October. Both months were heavily influenced by orders for defense capital goods. Excluding defense, durable goods orders in November were up 0.3 percent and in October down 1.3 percent.

Within the major industry categories, the largest increases were in transportation equipment, up $4.2 billion or 15.9 percent to $30.3 billion, and nonelectrical machinery, up $1.9 billion or 12.2 percent to $17.1 billion. Defense orders caused the increase in transportation equipment; excluding defense, transportation equipment orders were down 6.3 percent. Increases within the nonelectrical machinery category were widespread with the largest in engines and turbines and office and computing equipment.

New orders for nondurable goods increased $2.2 billion or 2.5 percent to $91.1 billion. The largest industry increases were in petroleum and tobacco products.

SHIPMENTS. The increase in November in manufacturers' shipments resulted from increases in nondurable goods industries. In total, nondurables were up $2.3 billion or 2.6 percent to $91.0 billion. Nearly half of the increase was in the petroleum products industries, up $0.9 billion or 9.2 percent to $11.1 billion; petroleum has been on a sharp downward trend during most of this year.

Shipments of durable goods in November decreased $0.3 billion or 0.2 percent to $107.2 billion. The largest decline was in transportation equipment, down $0.6 billion or 2.1 percent to $27.7 billion; most of the decrease was in motor vehicle and parts. The largest increase was in electrical machinery, up $0.7 billion or 4.2 percent to $17.6 billion.

UNFILLED ORDERS. About three-fourths of unfilled orders held by manufacturers are for capital goods. In November, the backlog of orders for capital goods increased $2.4 billion or 0.9 percent to $281.5 billion; $1.7 billion of that increase was in the defense category. Unfilled orders for nondefense capital goods increased $0.7 billion or 0.6 percent to $131.7 billion; the aircraft and parts industry accounted for most of the increase. Unfilled orders for noncapital goods industries were unchanged from October.

INVENTORIES. The increase in durable goods inventories in November of 0.2 percent was mostly in transportation equipment, largely motor vehicles and parts. In nondurable goods, also up 0.2 percent, increases in chemicals and rubber and plastics more than offset a decline in food products.

The inventory to shipments ratio in November was 1.40, in October 1.41, and September 1.41.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for release on January 27, 1987 at 8:30 a.m. and the full report on February 3, 1987 at 10:00 a.m.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
FEB 25 1987
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	1986P	1985
	All manufacturing industries	198,232	196,202	196,281	193,305	+1.0	0.0	+1.5	195,402	201,296	207,008	190,795	2,152,612	2,149,007
	Manufacturing industries with unfilled orders	111,362	110,360	109,570	107,264	+0.9	+0.7	+2.1	110,336	113,145	115,565	105,573	1,191,531	1,164,875
	Durable goods industries	107,185	107,443	106,027	104,154	-0.2	+1.3	+1.8	105,256	110,545	111,768	100,573	1,162,670	1,142,276
	With unfilled orders	88,150	87,215	86,218	84,714	+1.1	+1.2	+1.8	86,992	89,049	91,180	82,606	943,846	933,529
32	Stone, clay, and glass products	4,968	4,978	4,941	4,760	-0.2	+0.7	+3.8	4,872	5,277	5,396	5,066	54,890	53,093
322	Glass containers	449	450	415	424	-0.2	+8.4	-2.1	415	459	430	459	4,789	4,493
33	Primary metals	9,579	9,770	9,644	9,358	-2.0	+1.3	+3.1	9,058	9,772	9,734	9,183	108,594	116,590
331	Blast furnaces, steel mills	3,662	3,890	3,833	3,638	-5.9	+1.5	+5.4	3,461	3,828	3,756	3,543	43,928	48,574
333-9	Nonferrous and other primary metals	4,697	4,673	4,683	4,601	+0.5	-0.2	+1.8	4,425	4,706	4,856	4,527	51,409	54,312
34	Fabricated metal products	14,092	14,397	14,266	13,910	-2.1	+0.9	+2.6	13,754	15,037	15,046	14,160	157,025	155,771
341	Metal cans, barrels, and drums	895	904	837	920	-1.0	+8.0	-9.0	760	859	947	1,087	10,211	10,542
35	Machinery, except electrical	16,901	16,750	16,597	16,433	+0.9	+0.9	+1.0	16,580	16,619	17,639	15,216	186,183	193,716
351	Engines and turbines	1,287	1,264	1,249	1,159	+1.8	+1.2	+7.8	1,182	1,176	1,313	1,063	13,473	13,628
352	Farm machinery and equipment	718	647	730	835	+11.0	-11.4	-12.6	631	736	754	680	8,852	9,645
353	Construction, mining, and material handling equipment	2,661	2,434	2,319	2,498	+9.3	+5.0	-7.2	2,648	2,478	2,472	2,276	30,515	30,725
354	Metalworking machinery	939	961	918	787	-2.3	+4.7	+16.6	897	1,031	1,003	738	9,607	9,489
356	General industrial machinery	1,478	1,510	1,463	1,319	-2.1	+3.2	+10.9	1,425	1,575	1,491	1,327	16,150	15,460
357	Office and computing machines	3,896	4,001	4,256	4,018	-2.6	-6.0	+5.9	4,176	3,753	4,775	3,737	42,774	49,419
36	Electrical machinery	17,627	16,909	17,258	16,883	+4.2	-2.0	+2.2	17,632	17,240	18,362	16,375	179,367	169,277
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,153	2,135	2,129	2,143	+0.8	+0.3	-0.7	2,086	2,068	2,298	2,069	23,213	22,828
363	Household appliances	1,640	1,667	1,598	1,515	-1.6	+4.3	+5.5	1,497	1,712	1,750	1,609	16,656	15,812
365	Radio and TV	1,168	1,213	1,203	1,166	-3.7	+0.8	+3.2	1,205	1,363	1,421	1,139	12,019	10,176
366	Communication equipment	6,087	5,467	5,973	5,791	+11.3	-8.5	+3.1	6,060	5,434	6,076	5,487	59,476	56,286
367	Electronic components	3,388	3,299	3,280	3,347	+2.7	+0.6	-2.0	3,395	3,279	3,487	3,270	36,374	35,982
37	Transportation equipment	27,743	28,334	27,082	26,855	-2.1	+4.6	+0.8	27,377	29,316	28,114	24,095	300,362	287,497
371	Motor vehicles and parts	17,229	17,720	17,777	16,970	-2.8	-0.3	+4.8	16,854	18,919	18,404	14,949	194,926	189,194
372,6	Aircraft, missiles, and parts	8,815	8,878	7,720	8,163	-0.7	+15.0	-5.4	8,969	8,740	8,202	7,563	88,110	80,323
3731,95	Shipbuilding and military tank vehicles	735	684	648	754	+7.5	+5.6	-14.1	730	681	656	728	7,643	8,988
38	Instruments and related products	4,867	4,823	4,568	4,727	+0.9	+5.6	-3.4	4,885	4,959	4,942	4,650	51,608	51,675
381-4	Scientific and engineering instruments	3,184	3,094	2,919	3,169	+2.9	+6.0	-7.9	3,092	3,094	3,147	3,106	33,654	33,886
386	Photographic goods	1,504	1,555	1,492	1,399	-3.3	+4.2	+6.6	1,618	1,675	1,622	1,381	16,009	15,690
24,25, 39	All other durable goods	11,408	11,482	11,671	11,228	-0.6	-1.6	+3.9	11,098	12,325	12,535	11,828	124,641	114,657
	Nondurable goods industries	91,047	88,759	90,254	89,151	+2.6	-1.7	+1.2	90,146	90,751	95,240	90,222	989,942	1,006,731
	With unfilled orders	23,212	23,145	23,352	22,550	+0.3	-0.9	+3.6	23,344	24,096	24,385	22,967	247,685	231,346
20	Food and kindred products	26,782	26,469	26,552	26,286	+1.2	-0.3	+1.0	26,581	27,172	28,307	26,268	284,666	271,583
201	Meat products	6,161	6,164	6,127	6,102	0.0	+0.6	+0.4	6,118	6,398	6,262	6,303	63,536	62,031
208	Beverages	3,935	3,931	3,997	4,013	+0.1	-1.7	-0.4	3,691	3,982	4,025	4,290	44,171	41,947
207	Fats and oils	1,103	1,092	1,073	1,077	+1.0	+1.8	-0.4	1,143	1,090	1,088	1,050	11,690	12,587
203-6,9	All other foods	12,150	11,900	12,095	11,723	+2.1	-1.6	+3.2	12,199	12,340	13,571	11,254	128,863	119,391
21	Tobacco products	2,038	1,486	1,815	1,781	+37.1	-18.1	+1.9	2,052	1,508	2,013	1,882	19,372	18,332
22	Textile mill products	4,801	4,793	4,693	4,618	+0.2	+2.1	+1.6	4,669	5,002	5,067	4,825	50,194	48,407
26	Paper and allied products	9,583	9,397	9,515	9,299	+2.0	-1.2	+2.3	9,227	9,479	9,704	9,485	100,270	89,714
261-3,6	Pulp, paper etc.	4,047	4,086	4,077	3,929	-1.0	+0.2	+3.8	3,993	4,050	4,115	3,957	42,508	38,454
265	Paperboard containers	1,824	1,790	1,855	1,838	+1.9	-3.5	+0.9	1,773	1,896	1,914	1,884	20,159	19,854
264	All other paper products	3,712	3,521	3,583	3,532	+5.4	-1.7	+1.4	3,461	3,533	3,675	3,644	37,603	31,406
28	Chemicals and allied products	18,067	17,903	17,949	18,060	+0.9	-0.3	-0.6	17,036	17,161	18,767	17,593	196,652	196,847
281,6	Industrial chemicals, except pigments	6,175	5,952	5,958	5,937	+3.7	-0.1	+0.4	5,897	5,684	5,982	5,830	64,744	65,582
283,4	Drugs, soaps, and toiletries	5,160	5,239	5,249	5,153	-1.5	-0.2	+1.9	4,969	5,155	6,162	5,189	56,391	51,065
29	Petroleum and coal products	11,146	10,203	10,718	10,880	+9.2	-4.8	-1.5	11,158	10,306	11,006	11,023	132,088	177,070
30	Rubber and plastics products	4,103	3,995	3,984	3,804	+2.7	+0.3	+4.7	3,991	4,257	4,250	3,925	44,104	44,672
23,27, 31	All other nondurable goods	14,527	14,513	15,028	14,423	+0.1	-3.4	+4.2	15,432	15,866	16,126	15,221	162,596	160,106
	Market categories:													
	Home goods and apparel	13,597	13,461	14,107	13,631	+1.0	-4.6	+3.5	13,904	14,952	15,891	14,845	151,400	147,585
	Consumer staples	38,125	37,419	38,088	37,280	+1.9	-1.8	+2.2	38,189	38,379	40,939	37,341	405,960	380,650
	Equipment and defense products, except automotive	31,254	30,486	29,735	30,631	+2.5	+2.5	-2.9	31,050	30,333	31,613	28,916	329,627	328,945
	Automotive equipment	19,323	19,861	19,696	18,831	-2.7	+0.8	+4.6	18,680	21,084	20,331	16,829	215,908	210,442
	Construction materials, supplies and intermediate products	18,366	18,623	18,846	17,685	-1.4	+1.5	+3.7	17,814	19,501	19,669	18,633	201,363	191,267
	Other materials, supplies, and intermediate products	77,567	76,352	76,309	75,247	+1.6	+0.1	+1.4	75,765	77,047	78,565	74,231	848,354	890,118
	Supplementary series:[2]													
	Capital goods industries	36,599	35,730	34,768	34,928	+2.4	+2.8	-0.5	36,682	35,551	36,860	32,775	379,612	371,495
	Nondefense	27,905	27,722	27,081	27,284	+0.7	+2.4	-0.7	27,941	27,506	28,805	25,425	295,609	295,374
	Defense	8,694	8,008	7,687	7,644	+8.6	+4.2	+0.6	8,741	8,045	8,055	7,350	84,003	76,121
	Household durable goods industries	7,116	7,133	7,489	7,147	-0.2	-4.8	+4.8	7,103	7,854	8,523	7,477	77,617	72,201

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1986p	Oct. 1986r	Sept. 1986	Aug. 1986	Oct.-Nov.p	Sept.-Oct.r	Aug.-Sept.	Nov. 1986p	Oct. 1986r	Sept. 1986	Aug. 1986	1986p	1985
	All manufacturing industries	200,421	192,502	199,399	192,836	+4.1	-3.5	+3.4	195,866	199,388	208,321	186,986	2,151,717	2,151,245
	Manufacturing industries with unfilled orders	113,551	106,660	112,688	106,795	+6.5	-5.3	+5.5	110,800	111,237	116,878	101,764	1,190,636	1,167,112
	Durable goods industries	109,273	103,569	108,723	103,845	+5.5	-4.7	+4.7	105,808	108,623	112,745	96,996	1,161,247	1,144,363
	With unfilled orders	90,238	83,341	88,914	84,405	+8.3	-6.3	+5.3	87,544	87,127	92,157	79,029	942,423	935,616
32	Stone, clay, and glass products	4,918	4,958	4,960	4,787	-0.8	0.0	+3.6	4,804	5,200	5,359	5,028	54,774	53,177
33	Primary metals	9,501	9,713	9,842	10,245	-2.2	-1.3	-3.9	9,067	9,516	9,588	9,929	107,878	117,110
331	Blast furnaces, steel mills	3,717	3,677	4,212	4,488	+1.1	-12.7	-6.1	3,579	3,561	3,903	4,342	43,925	49,095
333-9	Nonferrous and other primary metals	4,757	4,651	4,504	4,557	+2.3	+3.3	-1.2	4,482	4,499	4,589	4,490	50,353	53,772
34	Fabricated metal products	14,316	14,217	14,051	13,702	+0.7	+1.2	+2.5	13,703	14,524	14,759	13,859	155,585	154,565
35	Machinery, except electrical	17,092	15,231	16,523	16,603	+12.2	-7.8	-0.5	16,718	15,819	17,091	15,168	181,855	193,193
351	Engines and turbines	1,198	727	1,541	900	+64.8	-52.8	+71.2	973	1,128	1,510	952	12,904	13,478
353	Construction, mining, and material handling equipment	2,666	2,375	2,170	2,517	+12.3	+9.4	-13.8	2,667	2,415	2,320	2,220	28,928	31,088
354	Metalworking machinery	868	796	980	693	+9.0	-18.8	+41.4	822	882	967	750	9,244	10,149
356	General industrial machinery	1,516	1,473	1,416	1,303	+2.9	+4.0	+8.7	1,455	1,567	1,386	1,315	16,043	15,161
357	Office and computing machines	4,109	3,537	3,868	4,735	+16.2	-8.6	-18.3	4,419	3,338	4,267	3,938	41,444	49,161
36	Electrical machinery	16,872	17,083	17,672	15,952	-1.2	-3.3	+10.8	16,167	17,301	18,612	15,533	180,506	172,360
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,025	2,198	2,228	2,131	-7.9	-1.3	+4.6	1,944	2,129	2,363	2,082	22,923	22,440
363	Household appliances	1,616	1,667	1,653	1,516	-3.1	+0.8	+9.0	1,468	1,652	1,778	1,609	16,617	15,835
365	Radio and TV	1,235	1,410	1,280	1,140	-12.4	+10.2	+12.3	1,201	1,351	1,496	1,212	12,072	10,263
366	Communication equipment	5,617	5,709	6,341	5,264	-1.6	-10.0	+20.5	5,198	5,801	6,706	5,014	62,296	63,346
367	Electronic components	3,157	3,006	3,059	3,014	+5.0	-1.7	+1.5	2,960	3,020	2,944	2,808	34,739	32,325
37	Transportation equipment	30,272	26,115	28,964	26,704	+15.9	-9.8	+8.5	29,657	29,317	29,772	21,096	304,170	287,504
372,6	Aircraft, missiles, and parts	12,569	6,783	9,530	8,525	+85.3	-28.8	+11.8	11,796	8,724	9,872	5,219	92,478	84,198
3731,95	Shipbuilding and military tank vehicles	-352	317	774	550	-211.0	-59.0	+40.7	358	347	739	358	7,448	6,114
38	Instruments and related products	4,747	4,843	4,843	4,607	-2.0	0.0	+5.1	4,715	4,901	5,159	4,532	51,400	51,887
24,25, 39	All other durable goods	11,555	11,409	11,868	11,245	+1.3	-3.9	+5.5	10,977	12,045	12,405	11,851	125,079	114,567
	Nondurable goods industries	91,148	88,933	90,676	88,991	+2.5	-1.9	+1.9	90,058	90,765	95,576	89,990	990,470	1,006,882
	With unfilled orders	23,313	23,319	23,774	22,390	0.0	-1.9	+6.2	23,256	24,110	24,721	22,735	248,213	231,496
	Market categories:													
	Home goods and apparel	13,705	13,624	14,332	13,755	+0.6	-4.9	+4.2	13,709	14,648	15,798	14,979	151,888	147,606
	Consumer staples	38,169	37,420	38,044	37,231	+2.0	-1.6	+2.2	38,197	38,363	40,924	37,331	405,938	380,740
	Equipment and defense products, except automotive	32,615	26,930	30,473	30,501	+21.1	-11.6	-0.1	32,126	29,552	32,106	25,994	329,417	332,679
	Automotive equipment	19,246	20,091	19,681	18,533	-4.2	+2.1	+6.2	18,555	21,428	20,285	16,57o	215,676	209,608
	Construction materials, supplies and intermediate products	18,163	18,476	18,250	17,577	-1.7	+1.2	+3.8	17,519	19,148	19,478	18,449	200,568	191,050
	Other materials, supplies, and intermediate products	78,523	75,961	78,619	75,239	+3.4	-3.4	+4.5	75,760	76,249	79,730	73,657	848,230	889,562
	Supplementary series:[2]													
	Capital goods industries	39,045	31,913	37,060	34,657	+22.3	-13.9	+6.9	38,261	34,680	38,715	29,497	381,778	378,133
	Nondefense	28,647	26,912	28,222	26,325	+6.4	-4.6	+7.2	28,218	28,120	29,027	24,264	294,229	293,971
	Defense	10,398	5,001	8,838	8,332	+107.9	-43.4	+6.1	10,043	6,560	9,688	5,233	87,549	84,162
	Household durable goods industries	7,292	7,333	7,707	7,235	-0.6	-4.9	+6.5	6,967	7,603	8,443	7,610	78,106	72,205

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	Nov. 1985
	All manufacturing industries..	367,086	364,897	368,597	365,479	+0.6	-1.0	+0.9	360,465	360,001	361,909	360,596	355,178
	Durable goods industries.....	355,713	353,625	357,499	354,803	+0.6	-1.1	+0.8	349,468	348,916	350,838	349,861	345,114
32	Stone, clay, and glass products...	2,624	2,674	2,694	2,675	-1.9	-0.7	+0.7	2,517	2,585	2,662	2,699	2,481
33	Primary metals.....	19,293	19,371	19,428	19,230	-0.4	-0.3	+1.0	18,414	18,405	18,661	18,807	19,024
331	Blast furnaces, steel mills.....	9,411	9,356	9,569	9,190	+0.6	-2.2	+4.1	8,903	8,785	9,052	8,905	8,923
333-9	Nonferrous and other primary metals.....	6,015	5,955	5,977	6,156	+1.0	-0.4	-2.9	5,690	5,633	5,840	6,107	6,576
34	Fabricated metal products.....	19,004	18,780	18,960	19,175	+1.2	-0.9	-1.1	18,517	18,568	19,081	19,368	19,975
35	Machinery, except electrical.....	55,056	54,865	56,384	56,458	+0.3	-2.7	-0.1	54,725	54,587	55,387	55,935	60,449
351	Engines and turbines.....	14,192	14,281	14,818	14,526	-0.6	-3.6	+2.0	14,458	14,667	14,715	14,518	15,012
353	Construction, mining, and material handling equipment....	4,778	4,773	4,832	4,981	+0.1	-1.2	-3.0	4,730	4,711	4,774	4,926	6,255
354	Metalworking machinery.....	3,473	3,544	3,709	3,647	-2.0	-4.4	+1.7	3,515	3,590	3,739	3,775	4,303
356	General industrial machinery....	4,169	4,131	4,168	4,215	+0.9	-0.9	-1.1	4,136	4,106	4,114	4,219	4,362
357	Office and computing machines...	17,992	17,779	18,243	18,631	+1.2	-2.5	-2.1	17,560	17,317	17,732	18,240	20,012
36	Electrical machinery.....	83,946	84,701	84,527	84,113	-0.9	+0.2	+0.5	82,580	84,045	83,984	83,734	80,998
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,491	5,619	5,556	5,457	-2.3	+1.1	+1.8	5,451	5,593	5,532	5,467	5,794
363	Household appliances.....	379	403	403	348	-6.0	0.0	+15.8	318	347	407	379	386
365	Radio and TV.....	628	561	364	287	+11.9	+54.1	+26.8	491	495	507	432	522
366	Communication equipment.....	61,115	61,585	61,343	60,975	-0.8	+0.4	+0.6	60,353	61,215	60,848	60,218	57,629
367	Electronic components.....	14,688	14,919	15,212	15,433	-1.5	-1.9	-1.4	14,335	14,770	15,029	15,572	15,239
37	Transportation equipment.....	161,616	159,087	161,306	159,424	+1.6	-1.4	+1.2	158,983	156,703	156,702	155,044	148,568
372,6	Aircraft, missiles, and parts...	138,536	134,782	136,877	135,067	+2.8	-1.5	+1.3	135,900	133,073	133,089	131,419	124,412
3731,95	Shipbuilding and military tank vehicles.....	17,315	18,403	18,770	18,644	-5.9	-2.0	+0.7	17,392	17,764	18,098	18,015	17,983
38	Instruments and related products..	8,511	8,631	8,611	8,336	-1.4	+0.2	+3.3	8,396	8,566	8,624	8,407	8,526
24,25, 39	All other durable goods.....	5,663	5,516	5,589	5,392	+2.7	-1.3	+3.7	5,336	5,457	5,737	5,867	5,093
	Nondurable goods industries.....	11,373	11,272	11,098	10,676	+0.9	+1.6	+4.0	10,997	11,085	11,071	10,735	10,064
	Market categories:												
	Home goods and apparel.....	4,653	4,545	4,382	4,157	+2.4	+3.7	+5.4	4,106	4,301	4,605	4,698	3,849
	Consumer staples.....	728	684	683	727	+6.4	+0.1	-6.1	711	703	719	734	723
	Equipment and defense products, except automotive.....	230,945	229,584	233,140	232,402	+0.6	-1.5	+0.3	228,050	226,974	227,755	227,262	223,635
	Automotive equipment.....	5,392	5,469	5,239	5,254	-1.4	+4.4	-0.3	5,322	5,447	5,103	5,149	5,655
	Construction materials, supplies and intermediate products.....	11,413	11,616	11,763	11,859	-1.7	-1.2	-0.8	11,181	11,476	11,829	12,020	11,978
	Other materials, supplies, and intermediate products.....	113,955	112,999	113,390	111,080	+0.8	-0.3	+2.1	111,095	111,100	111,898	110,733	109,338
	Supplementary series:[2]												
	Capital goods industries.....	281,525	279,079	282,896	280,604	+0.9	-1.3	+0.8	277,706	276,127	276,998	275,143	270,494
	Nondefense.....	131,714	130,972	131,782	130,641	+0.6	-0.6	+0.9	131,322	131,045	130,431	130,209	131,425
	Defense.....	149,811	148,107	151,114	149,963	+1.2	-2.0	+0.8	146,384	145,082	146,567	144,934	139,069
	Household durable goods industries.....	4,204	4,028	3,828	3,610	+4.4	+5.2	+6.0	3,669	3,805	4,056	4,136	3,435

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	Nov. 1985
	All manufacturing industries..	276,588	276,007	276,574	277,473	+0.2	-0.2	-0.3	275,368	275,619	275,097	277,799	280,930
	Manufacturing industries with unfilled orders.....	193,518	193,858	194,469	194,689	-0.2	-0.3	-0.1	191,957	193,175	193,677	195,505	196,489
	Durable goods industries.....	185,742	185,358	186,102	186,045	+0.2	-0.4	0.0	184,248	184,747	185,275	186,580	188,867
	With unfilled orders.....	169,981	170,325	170,885	171,148	-0.2	-0.3	-0.2	168,869	170,028	170,364	171,749	173,505
32	Stone, clay, and glass products...	5,572	5,480	5,529	5,673	+1.7	-0.9	-2.5	5,391	5,306	5,385	5,640	5,536
322	Glass containers.....	672	652	644	631	+3.1	+1.2	+2.1	665	645	629	635	638
33	Primary metals.....	15,479	15,514	15,855	16,212	-0.2	-2.2	-2.2	15,446	15,465	15,790	16,206	17,969
331	Blast furnaces, steel mills.....	6,317	6,272	6,515	6,805	+0.7	-3.7	-4.3	6,412	6,341	6,561	6,866	8,203
333-9	Nonferrous and other primary metals.....	8,029	8,079	8,140	8,208	-0.6	-0.7	-0.8	7,917	7,974	8,042	8,167	8,550
34	Fabricated metal products.....	18,614	18,533	18,734	18,511	+0.4	-1.1	+1.2	18,030	18,181	18,375	18,542	18,764
341	Metal cans, barrels, and drums..	2,524	2,393	2,460	2,146	+5.5	-2.7	+14.6	2,135	2,027	2,108	2,077	1,923
35	Machinery, except electrical.....	36,737	36,690	36,784	37,055	+0.1	-0.3	-0.7	36,559	36,595	36,618	37,113	39,518
351	Engines and turbines.....	1,980	1,945	1,963	1,981	+1.8	-0.9	-0.9	1,980	1,950	1,925	1,946	1,924
352	Farm machinery and equipment....	1,704	1,704	1,610	1,657	0.0	+5.8	-2.8	1,629	1,622	1,623	1,650	1,740
353	Construction, mining, and material handling equipment....	5,754	5,846	5,904	5,780	-1.6	-1.0	+2.1	5,725	5,805	5,839	5,786	6,232
354	Metalworking machinery.....	2,806	2,745	2,753	2,731	+2.2	-0.3	+0.8	2,814	2,756	2,736	2,761	2,778
356	General industrial machinery....	3,184	3,202	3,181	3,265	-0.6	+0.7	-2.6	3,155	3,160	3,149	3,226	3,408
357	Office and computing machines...	10,214	10,300	10,294	10,688	-0.8	+0.1	-3.7	10,183	10,393	10,356	10,880	12,296
36	Electrical machinery.....	34,204	34,361	34,529	34,596	-0.5	-0.5	-0.2	33,881	34,274	34,378	34,795	33,228
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,104	4,075	4,137	4,156	+0.7	-1.5	-0.5	4,108	4,118	4,118	4,168	4,290
363	Household appliances.....	2,410	2,397	2,401	2,382	+0.5	-0.2	+0.8	2,246	2,282	2,262	2,330	2,150
365	Radio and TV.....	1,617	1,621	1,585	1,622	-0.2	+2.3	-2.3	1,601	1,602	1,645	1,711	1,344
366	Communication equipment.....	15,090	15,084	15,248	15,335	0.0	-1.1	-0.6	15,034	15,142	15,210	15,379	14,752
367	Electronic components.....	5,906	6,041	6,021	6,030	-2.2	+0.3	-0.1	5,876	6,023	5,985	6,060	5,976
37	Transportation equipment.....	50,927	50,702	50,804	50,037	+0.4	-0.2	+1.5	51,068	51,004	50,832	50,172	49,779
371	Motor vehicles and parts.....	11,013	10,645	10,642	10,674	+3.5	0.0	-0.3	11,123	10,877	10,784	10,769	11,445
372,6	Aircraft, missiles, and parts...	36,543	36,657	36,662	35,950	-0.3	0.0	+2.0	36,517	36,725	36,578	36,099	35,070
3731,95	Shipbuilding and military tank vehicles.....	1,811	1,781	1,746	1,709	+1.7	+2.0	+2.2	1,802	1,791	1,754	1,668	1,547
38	Instruments and related products..	9,634	9,704	9,608	9,552	-0.7	+1.0	+0.6	9,541	9,620	9,600	9,610	9,608
381-4	Scientific and engineering instruments.....	6,810	6,843	6,784	6,688	-0.5	+0.9	+1.4	6,776	6,781	6,750	6,681	6,903
386	Photographic goods.....	2,204	2,239	2,195	2,224	-1.6	+2.0	-1.3	2,169	2,237	2,224	2,284	2,110
24,25, 39	All other durable goods.....	14,575	14,374	14,259	14,409	+1.4	+0.8	-1.0	14,332	14,302	14,297	14,502	14,465
	Nondurable goods industries.....	90,846	90,649	90,472	91,428	+0.2	+0.2	-1.0	91,120	90,872	89,822	91,219	92,063
	With unfilled orders.....	23,537	23,533	23,584	23,541	0.0	-0.2	+0.2	23,088	23,147	23,313	23,756	22,984
20	Food and kindred products.....	21,069	21,205	21,054	21,725	-0.6	+0.7	-3.1	22,274	22,314	21,332	21,606	21,987
201	Meat products.....	2,231	2,254	2,318	2,353	-1.0	-2.8	-1.5	2,291	2,227	2,170	2,219	2,308
208	Beverages.....	3,434	3,385	3,469	3,553	+1.4	-2.4	-2.4	3,362	3,344	3,382	3,400	3,304
207	Fats and oils.....	953	1,060	1,047	1,036	-10.1	+1.2	+1.1	1,158	1,083	822	854	1,168
203-6,9	All other foods.....	12,559	12,667	12,423	13,008	-0.9	+2.0	-4.5	13,639	13,832	13,181	13,333	13,546
21	Tobacco products.....	3,053	3,034	2,974	2,982	+0.6	+2.0	-0.3	3,105	3,083	2,956	2,806	3,300
22	Textile mill products.....	6,224	6,310	6,397	6,337	-1.4	-1.4	+0.9	6,070	6,100	6,276	6,323	6,494
26	Paper and allied products.....	10,016	9,962	10,065	10,114	+0.5	-1.0	-0.5	9,986	9,841	9,842	10,026	9,630
261-3,6	Pulp, paper etc.....	3,962	3,917	3,906	3,885	+1.1	+0.3	+0.5	3,962	3,897	3,832	3,876	3,703
265	Paperboard containers.....	2,380	2,392	2,411	2,379	-0.5	-0.8	+1.3	2,359	2,347	2,372	2,377	2,239
264	All other paper products.....	3,674	3,653	3,748	3,850	+0.6	-2.5	-2.6	3,665	3,597	3,638	3,773	3,688
28	Chemicals and allied products.....	22,413	22,297	22,141	22,085	+0.5	+0.7	+0.3	22,362	22,063	21,675	21,971	21,624
281,6	Industrial chemicals, except pigments.....	6,793	6,727	6,658	6,676	+1.0	+1.0	-0.3	6,773	6,680	6,558	6,683	6,469
283,4	Drugs, soaps, and toiletries....	7,361	7,368	7,223	7,297	-0.1	+2.0	-1.0	7,376	7,280	7,100	7,304	6,879
29	Petroleum and coal products.....	5,568	5,512	5,478	5,767	+1.0	+0.6	-5.0	5,799	5,652	5,567	5,783	7,774
30	Rubber and plastics products.....	6,308	6,150	6,285	6,314	+2.6	-2.1	-0.5	6,133	6,028	6,128	6,178	5,981
23,27, 31	All other nondurable goods.....	16,195	16,179	16,078	16,104	+0.1	+0.6	-0.2	15,391	15,791	16,046	16,526	15,273
	Market categories:												
	Home goods and apparel.....	22,485	22,359	22,228	22,421	+0.6	+0.6	-0.9	21,454	21,749	22,041	22,741	20,854
	Consumer staples.....	34,271	34,317	33,946	34,706	-0.1	+1.1	-2.2	35,179	35,300	34,340	34,682	34,587
	Equipment and defense products, except automotive.....	82,692	82,723	83,062	82,667	0.0	-0.4	+0.5	82,331	82,668	82,478	82,708	84,847
	Automotive equipment.....	13,090	12,762	12,937	12,980	+2.6	-1.4	-0.3	13,198	12,918	12,992	12,963	13,830
	Construction materials, supplies and intermediate products.....	18,542	18,178	18,278	18,479	+2.0	-0.5	-1.1	18,185	18,005	18,104	18,436	18,805
	Other materials, supplies, and intermediate products.....	105,508	105,668	106,123	106,220	-0.2	-0.4	-0.1	105,021	104,979	105,142	106,269	108,007
	Supplementary series:[2]												
	Capital goods industries.....	96,896	97,135	97,465	96,981	-0.2	-0.3	+0.5	96,597	97,203	97,095	97,274	97,400
	Nondefense.....	67,831	67,914	68,429	68,515	-0.1	-0.8	-0.1	68,006	68,266	68,237	68,713	71,252
	Defense.....	29,065	29,221	29,036	28,466	-0.5	+0.6	+2.0	28,591	28,937	28,858	28,561	26,148
	Household durable goods industries.....	11,696	11,591	11,446	11,567	+0.9	+1.3	-1.0	11,274	11,353	11,376	11,759	10,743

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Nov. 1986p	Oct. 1986r	Sept. 1986	Aug. 1986	Oct.-Nov.p	Sept.-Oct.r	Aug.-Sept.	Nov. 1986p	Oct. 1986r	Sept. 1986	Aug. 1986	Nov. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,987	86,141	86,419	86,562	-0.2	-0.3	-0.2	85,626	85,656	85,694	86,274	87,721
	Durable goods industries.....	50,530	50,561	51,052	50,878	-0.1	-1.0	+0.3	50,473	50,615	51,051	51,121	52,978
32	Stone, clay, and glass products...	1,693	1,710	1,697	1,761	-1.0	+0.8	-3.6	1,678	1,706	1,700	1,771	1,776
33	Primary metals.....	4,526	4,557	4,564	4,596	-0.7	-0.2	-0.7	4,644	4,631	4,584	4,585	5,421
34	Fabricated metal products.....	6,757	6,744	6,880	6,946	+0.2	-2.0	-1.0	6,594	6,652	6,828	6,957	7,162
35	Machinery, except electrical.....	10,364	10,345	10,524	10,442	+0.2	-1.7	+0.8	10,337	10,311	10,421	10,413	11,125
36	Electrical Machinery.....	7,680	7,697	7,871	7,855	-0.2	-2.2	+0.2	7,554	7,636	7,873	7,923	7,844
37	Transportation equipment.....	11,599	11,536	11,625	11,281	+0.5	-0.8	+3.0	11,631	11,522	11,607	11,417	11,524
38	Instruments and related products..	2,612	2,627	2,625	2,662	-0.6	+0.1	-1.4	2,597	2,635	2,656	2,663	2,642
24,25, 39	All other durable goods.....	5,299	5,345	5,266	5,335	-0.9	+1.5	-1.3	5,438	5,522	5,382	5,392	5,484
	Nondurable goods industries.....	35,457	35,580	35,367	35,684	-0.3	+0.6	-0.9	35,153	35,041	34,643	35,153	34,743
20	Food and kindred products.....	7,958	7,986	7,845	8,069	-0.4	+1.8	-2.8	8,226	8,019	7,401	7,653	7,482
21	Tobacco products.....	2,426	2,408	2,419	2,419	+0.7	-0.5	0.0	2,357	2,281	2,330	2,301	2,679
22	Textile mill products.....	1,863	1,918	1,885	1,947	-2.9	+1.8	-3.2	1,798	1,805	1,832	1,943	1,926
26	Paper and allied products.....	4,980	4,921	4,976	4,963	+1.2	-1.1	+0.3	4,957	4,902	4,936	4,920	4,689
28	Chemicals and allied products.....	8,425	8,519	8,348	8,326	-1.1	+2.0	+0.3	8,261	8,349	8,319	8,341	7,901
29	Petroleum and coal products.....	1,663	1,652	1,623	1,684	+0.7	+1.8	-3.6	1,649	1,646	1,583	1,654	2,048
30	Rubber and plastics products.....	2,252	2,215	2,265	2,292	+1.7	-2.2	-1.2	2,219	2,210	2,230	2,218	2,071
23,27, 31	All other nondurable goods.....	5,890	5,961	6,006	5,984	-1.2	-0.7	+0.4	5,686	5,829	6,012	6,123	5,947
	WORK IN PROCESS												
	All manufacturing industries..	103,984	104,412	104,635	104,177	-0.4	-0.2	+0.4	103,671	104,803	104,602	104,693	105,400
	Durable goods industries.....	90,030	90,507	90,898	90,673	-0.5	-0.4	+0.2	89,696	90,769	90,768	91,019	90,733
32	Stone, clay, and glass products...	747	713	746	761	+4.8	-4.4	-2.0	707	681	726	747	757
33	Primary metals.....	6,614	6,593	6,746	6,845	+0.3	-2.3	-1.4	6,546	6,561	6,755	6,938	7,103
34	Fabricated metal products.....	6,941	6,826	6,942	6,766	+1.7	-1.7	+2.6	6,683	6,753	6,856	6,803	6,988
35	Machinery, except electrical.....	14,425	14,639	14,833	15,186	-1.5	-1.3	-2.3	14,473	14,768	14,778	15,190	15,957
36	Electrical Machinery.....	20,302	20,456	20,353	20,378	-0.8	+0.5	-0.1	20,251	20,498	20,275	20,492	19,399
37	Transportation equipment.....	33,678	33,963	34,022	33,523	-0.8	-0.2	+1.5	33,771	34,260	34,138	33,590	32,951
38	Instruments and related products..	4,019	4,045	4,032	3,948	-0.6	+0.3	+2.1	3,995	4,013	4,003	3,972	4,166
24,25, 39	All other durable goods.....	3,304	3,272	3,224	3,266	+1.0	+1.5	-1.3	3,270	3,235	3,237	3,287	3,412
	Nondurable goods industries.....	13,954	13,905	13,737	13,504	+0.4	+1.2	+1.7	13,975	14,034	13,834	13,674	14,667
20	Food and kindred products.....	1,682	1,670	1,664	1,669	+0.7	+0.4	-0.3	1,699	1,652	1,625	1,621	1,616
21	Tobacco products.....	304	297	259	276	+2.4	+14.7	-6.2	421	476	350	237	297
22	Textile mill products.....	1,902	1,892	1,902	1,836	+0.5	-0.5	+3.6	1,887	1,884	1,904	1,829	2,009
26	Paper and allied products.....	1,196	1,186	1,157	1,170	+0.8	+2.5	-1.1	1,188	1,188	1,175	1,203	1,176
28	Chemicals and allied products.....	3,402	3,479	3,483	3,351	-2.2	-0.1	+3.9	3,404	3,476	3,475	3,380	3,687
29	Petroleum and coal products.....	760	769	733	758	-1.2	+4.9	-3.3	758	751	737	789	1,384
30	Rubber and plastics products.....	1,272	1,194	1,233	1,169	+6.5	-3.2	+5.5	1,277	1,201	1,251	1,197	1,170
23,27, 31	All other nondurable goods.....	3,436	3,418	3,306	3,275	+0.5	+3.4	+0.9	3,341	3,406	3,317	3,418	3,328
	FINISHED GOODS												
	All manufacturing industries..	86,617	85,454	85,520	86,734	+1.4	-0.1	-1.4	86,071	85,160	84,801	86,832	87,809
	Durable goods industries.....	45,182	44,290	44,152	44,494	+2.0	+0.3	-0.8	44,079	43,363	43,456	44,440	45,156
32	Stone, clay, and glass products...	3,132	3,057	3,086	3,151	+2.5	-0.9	-2.1	3,006	2,919	2,959	3,122	3,003
33	Primary metals.....	4,339	4,364	4,545	4,771	-0.6	-4.0	-4.7	4,256	4,273	4,451	4,683	5,445
34	Fabricated metal products.....	4,916	4,963	4,912	4,799	-0.9	+1.0	+2.4	4,753	4,776	4,691	4,782	4,614
35	Machinery, except electrical.....	11,948	11,706	11,427	11,427	+2.1	+2.4	0.0	11,749	11,516	11,419	11,510	12,436
36	Electrical Machinery.....	6,222	6,208	6,305	6,363	+0.2	-1.5	-0.9	6,076	6,140	6,230	6,380	5,985
37	Transportation equipment.....	5,650	5,203	5,157	5,233	+8.6	+0.9	-1.5	5,666	5,222	5,087	5,165	5,304
38	Instruments and related products..	3,003	3,032	2,951	2,942	-1.0	+2.7	+0.3	2,949	2,972	2,941	2,975	2,800
24,25, 39	All other durable goods.....	5,972	5,757	5,769	5,808	+3.7	-0.2	-0.7	5,624	5,545	5,678	5,823	5,569
	Nondurable goods industries.....	41,435	41,164	41,368	42,240	+0.7	-0.5	-2.1	41,992	41,797	41,345	42,392	42,653
20	Food and kindred products.....	11,429	11,549	11,545	11,987	-1.0	0.0	-3.7	12,349	12,643	12,306	12,332	12,889
21	Tobacco products.....	323	329	296	287	-1.8	+11.1	+3.1	327	326	276	268	324
22	Textile mill products.....	2,459	2,500	2,610	2,554	-1.6	-4.2	+2.2	2,385	2,411	2,540	2,551	2,559
26	Paper and allied products.....	3,840	3,855	3,932	3,981	-0.4	-2.0	-1.2	3,841	3,751	3,731	3,903	3,765
28	Chemicals and allied products.....	10,586	10,299	10,310	10,408	+2.8	-0.1	-0.9	10,697	10,238	9,881	10,250	10,036
29	Petroleum and coal products.....	3,145	3,091	3,122	3,325	+1.7	-1.0	-6.1	3,392	3,255	3,247	3,340	4,342
30	Rubber and plastics products.....	2,784	2,741	2,787	2,853	+1.6	-1.7	-2.3	2,637	2,617	2,647	2,763	2,740
23,27, 31	All other nondurable goods.....	6,869	6,800	6,766	6,845	+1.0	+0.5	-1.2	6,364	6,556	6,717	6,985	5,998

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986	Nov. 1986P	Oct. 1986r	Sept. 1986	Aug. 1986
	All manufacturing industries	1.40	1.41	1.41	1.44	3.30	3.31	3.36	3.41
	Durable goods industries	1.73	1.73	1.76	1.79	4.04	4.05	4.15	4.19
32	Stone, clay, and glass products	1.12	1.10	1.12	1.19	0.58	0.59	0.60	0.62
33	Primary metals	1.62	1.59	1.64	1.73	2.01	1.98	2.01	2.05
34	Fabricated metal products	1.32	1.29	1.31	1.33	1.44	1.39	1.41	1.48
35	Machinery, except electrical	2.17	2.19	2.22	2.25	3.40	3.41	3.55	3.62
36	Electrical machinery	1.94	2.03	2.00	2.05	4.76	5.01	4.90	4.98
37	Transportation equipment	1.84	1.79	1.88	1.86	9.84	10.08	10.96	10.73
38	Instruments and related products	1.98	2.01	2.10	2.02	1.75	1.79	1.89	1.76
	Nondurable goods industries	1.00	1.02	1.00	1.03	0.49	0.49	0.48	0.47
20	Food and kindred products	0.79	0.80	0.79	0.83	(X)	(X)	(X)	(X)
21	Tobacco products	1.50	2.04	1.64	1.67	(X)	(X)	(X)	(X)
22	Textile mill products	1.30	1.32	1.36	1.37	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.05	1.06	1.06	1.09	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.24	1.25	1.23	1.22	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.50	0.54	0.51	0.53	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.54	1.54	1.58	1.66	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Nov. 1985	All Novs. 1981-1985	Nov. 1985-Oct. 1986	Year ago Nov. 1985	All Novs. 1981-1985	Nov. 1985-Oct. 1986	Year ago Nov. 1985	All Novs. 1981-1985	Nov. 1985-Oct. 1986	Year ago Nov. 1985	All Novs. 1981-1985	Nov. 1985-Oct. 1986
	All manufacturing industries.	0.1	0.2	0.3	0.2	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.1
	Durable goods industries	0.1	0.2	0.4	0.4	0.4	0.6	0.1	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products..	1.1	0.6	1.0	2.0	1.4	1.1	1.8	1.5	0.9	0.0	0.5	0.3
33	Primary metals	0.8	0.6	0.7	1.0	0.6	0.7	0.1	0.1	0.3	0.4	0.3	0.2
34	Fabricated metal products	0.5	1.1	1.0	1.4	2.0	1.2	0.6	0.5	0.5	0.1	0.4	0.4
35	Machinery, except electrical	0.5	1.0	0.6	0.1	1.4	1.2	0.2	0.4	0.2	0.5	0.2	0.2
36	Electrical machinery	0.9	0.5	0.8	0.3	1.1	1.3	0.2	0.2	0.2	0.1	0.2	0.2
37	Transportation equipment	0.6	0.3	0.3	1.6	1.1	1.4	0.2	0.2	0.2	0.1	0.2	0.1
38	Instruments and related products.	0.1	0.4	1.0	0.1	1.0	1.1	0.0	0.3	0.4	0.3	0.2	0.3
	Nondurable goods industries	0.1	0.3	0.3	0.1	0.3	0.3	0.0	0.2	0.5	0.1	0.2	0.2
20	Food and kindred products	0.8	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products	0.0	0.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
22	Textile mill products	1.8	1.3	1.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.8	1.0
26	Paper and allied products	0.8	0.7	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.3
28	Chemicals and allied product	1.2	0.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.7	0.4
29	Petroleum and coal products	1.8	1.1	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.9	0.8	0.6
30	Rubber and plastics products	0.8	0.9	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.6
	Capital Goods Industries:												
	Nondefense	1.1	0.7	0.5	1.7	1.6	0.7	0.1	0.1	0.1	0.4	0.2	0.2
	Defense	0.5	0.8	1.0	2.5	4.0	4.1	0.1	0.2	0.2	0.6	0.3	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

NOTICE

Effective with the February 1987 Advance Report on Durable Goods to be issued on March 24, and the regular Manufacturers' Shipments, Inventories and Orders (M3) report to be issued on March 31, the following changes in the M3 survey will be implemented:

- Concurrent seasonal adjustment of the M3 data series will begin. Concurrent seasonal adjustment uses all available unadjusted estimates, including the current month, to calculate seasonal factors for generating the seasonally adjusted data series. Several industry categories will no longer be adjusted, due to lack of seasonal variation in the series. For these series, unadjusted data will be included in both the seasonally adjusted and unadjusted aggregates.

- Inventory data will be valued on a current cost (or pre-LIFO) basis. Currently, the inventory data are reported at book value using any generally accepted method of accounting (FIFO, LIFO, etc.).

- The household durable goods series will be eliminated from the advance report and several series will be eliminated from the regular report because they do not meet publication standards.

- Data for 3 months ago will be replaced by data for the current month 1 year ago.

- An annual report including data for 1982-1986 will be issued prior to the February advance report on durable goods. This report will contain revisions to the monthly data to reflect benchmarking to the 1982 Census of Manufactures and 1983-1985 Annual Surveys of Manufactures, corrections to monthly data for reports received too late for inclusion in the monthly publications, and updating of seasonal factors.

Any questions regarding this announcement can be answered by calling (301) 763-2502.

PUBLICATION DATES FOR THE 1987 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January	Tues., Feb. 24	Wed., Mar. 4
February	Tues., Mar. 24	Tues., Mar. 31
March	Wed., Apr. 22	Thurs., Apr. 30
April	Fri., May 22	Tues., June 2
May	Tues., June 23	Tues., June 30
June	Thurs., Jul. 23	Fri., Jul. 31
July	Tues., Aug. 25	Tues., Sept. 1
August	Wed., Sept. 23	Thurs., Oct. 1
September	Fri., Oct. 23	Mon., Nov. 2
October	Tues., Nov. 24	Thurs., Dec. 3
November	Tues., Dec. 22	Thurs., Dec. 31
December	Tues., Jan. 26, 1988	Wed., Feb. 3, 1988

M3-1 (86)-12
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
1 FEB 25 1987
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

December 1986

M3-1(86)-12

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E. S. T. Tuesday, February 3, 1987

(All Figures in text are in seasonally adjusted current dollars)

NOTICE - Impending changes in the M3 survey, effective with the February 1987 advance report on durable goods, are outlined on page 8.

SUMMARY. New orders for manufactured goods in December increased $2.5 billion or 1.2 percent to $201.9 billion, following a 3.6 percent increase in November. Both months were strongly influenced by wide swings in orders for defense capital goods. Excluding defense, orders in December increased 4.4 percent and in November 0.9 percent.

Shipments of manufactured goods in December increased $6.4 billion or 3.2 percent to $203.6 billion. Increases were widespread in both durable and nondurable goods industries, the largest occurring in motor vehicles and parts.

Unfilled orders in December decreased $1.7 billion or 0.5 percent to $365.4 billion. A large decline in the defense orders backlog more than offset increases in other industries. Excluding defense, unfilled orders increased 1.4 percent.

Manufacturers' inventories in December decreased $0.6 billion or 0.2 percent to $275.8 billion. Inventories have shown a slow downward trend since the March 1985 level of $286.2 billion. The inventory to shipments ratio in December was 1.35 down from 1.40 in November.

New orders for all of 1986 totaled $2350.4 billion, unchanged from 1985. Shipments for 1986 were $2348.8 billion, up 0.3 percent from 1985. Unfilled orders at $365.4 billion were 0.4 percent above the end of 1985. Inventories at $275.8 billion were 2.1 percent below the end of 1985.

NEW ORDERS. New orders in both the durable and nondurable goods sectors were up in December. Durables increased $1.0 billion or 0.9 percent to $109.8 billion. A decline of $5.9 billion in defense orders nearly offset several other large increases. New orders for primary metals increased $1.2 billion or 12.6 percent to $10.6 billion, following three months of declines. Electrical machinery increased $1.7 billion or 10.3 percent to $18.5 billion, following declines in October and November.

Transportation equipment showed a slight decline in December, down $0.1 billion or 0.2 percent to $30.2 billion; a large decline in defense aircraft and parts more than offset large increases in nondefense aircraft and parts and motor vehicles and parts. Nonelectrical machinery declined $1.4 billion or 8.5 percent to $15.5 billion, following a 11.3 percent increase in November.

New orders for nondurable goods in December increased $1.4 billion or 1.6 percent to $92.1 billion; the largest increases were in paper, printing and publishing and tobacco.

SHIPMENTS. Shipments in the durable goods sector increased $5.0 billion or 4.7 percent to $111.6 billion. Nearly all the increase was in the transportation equipment industry, up $4.5 billion or 16.3 percent to $32.1 billion; motor vehicles and parts increased $3.4 billion or 19.8 percent and aircraft and parts $1.1 billion or 12.4 percent.

Shipments of nondurable goods increased $1.4 billion or 1.6 percent to $92.0 billion; the largest increases were in paper, publishing and printing, and tobacco.

UNFILLED ORDERS. Virtually all unfilled orders are held by durable goods manufacturers. In December the durable goods orders backlog declined $1.8 billion or 0.5 percent to $354.0 billion. Decreases in transportation equipment and nonelectrical machinery more than offset a large increase in primary metals. Transportation was down $1.9 billion or 1.2 percent to $159.8 billion, defense aircraft and parts and shipbuilding had large declines while nondefense aircraft and parts were up. Nonelectrical machinery declined $1.7 billion or 3.1 percent to $53.3 billion with the decreases concentrated in the engines and turbines and office and computing equipment categories.

INVENTORIES. Inventories of durable goods manufacturers in December were down $1.7 billion or 0.9 percent to $183.8 billion, while nondurable goods manufacturers' increased inventories $1.1 billion or 1.2 percent to $92.0 billion. By stage of fabrication, the decline in durable goods inventories was in both work in process and finished goods, while the increase in nondurable goods was reflected in all three stages of fabrication.

SCHEDULED RELEASE DATES. The advance report on durable goods for January is scheduled for release on February 24, 1987 at 8:30 a.m. and the full report on March 4, 1987 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1986P	Nov. 1986r	Oct. 1986	Sept. 1986	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1986P	Nov. 1986r	Oct. 1986	Sept. 1986	1986P	1985
	All manufacturing industries	203,605	197,222	196,202	196,281	+3.2	+0.5	0.0	195,949	194,462	201,296	207,008	2,347,621	2,341,220
	Manufacturing industries with unfilled orders	113,464	110,697	110,360	109,570	+2.5	+0.3	+0.7	111,541	109,701	113,145	115,565	1,302,437	1,272,229
	Durable goods industries	111,631	106,669	107,443	106,027	+4.7	-0.7	+1.3	106,753	104,768	110,545	111,768	1,268,935	1,243,793
	With unfilled orders	89,580	87,680	87,215	86,218	+2.2	+0.5	+1.2	88,337	86,547	89,049	91,180	1,031,738	1,019,749
32	Stone, clay, and glass products	4,744	4,968	4,978	4,941	-4.5	-0.2	+0.7	4,134	4,872	5,277	5,396	59,024	57,255
322	Glass containers	451	450	450	415	+0.2	0.0	+8.4	383	416	459	430	5,173	4,806
33	Primary metals	9,510	9,500	9,770	9,644	+0.1	-2.8	+1.3	8,504	8,984	9,772	9,734	117,024	125,777
331	Blast furnaces, steel mills	3,770	3,678	3,890	3,833	+2.5	-5.4	+1.5	3,438	3,476	3,828	3,756	47,381	52,519
333-9	Nonferrous and other primary metals	4,576	4,608	4,673	4,683	-0.7	-1.4	-0.2	4,109	4,341	4,706	4,856	55,434	58,589
34	Fabricated metal products	14,157	14,036	14,397	14,266	+0.9	-2.5	+0.9	13,136	13,697	15,037	15,046	170,104	168,953
341	Metal cans, barrels, and drums	911	902	904	837	+1.0	-0.2	+8.0	756	766	859	947	10,973	11,318
35	Machinery, except electrical	17,207	16,800	16,750	16,597	+2.4	+0.3	+0.9	18,622	16,494	16,619	17,639	204,719	212,620
351	Engines and turbines	1,645	1,277	1,264	1,249	+28.8	+1.0	+1.2	1,666	1,173	1,176	1,313	15,130	15,087
352	Farm machinery and equipment	712	708	647	730	+0.6	+9.4	-11.4	626	622	736	754	9,469	10,391
353	Construction, mining, and material handling equipment	2,457	2,592	2,434	2,319	-5.2	+6.5	+5.0	2,469	2,579	2,478	2,472	32,915	33,602
354	Metalworking machinery	870	950	961	918	-8.4	-1.1	+4.7	888	907	1,031	1,003	10,505	10,494
356	General industrial machinery	1,195	1,446	1,510	1,463	-17.4	-4.2	+3.2	1,250	1,394	1,575	1,491	17,369	16,945
357	Office and computing machines	4,563	4,003	4,001	4,256	+14.0	0.0	-6.0	6,325	4,291	3,753	4,775	49,214	55,517
36	Electrical machinery	17,926	17,607	16,909	17,258	+1.8	+4.1	-2.0	17,811	17,614	17,240	18,362	197,160	185,514
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,223	2,137	2,135	2,129	+4.0	+0.1	+0.3	2,277	2,071	2,068	2,298	25,475	24,923
363	Household appliances	1,564	1,635	1,667	1,598	-4.3	-1.9	+4.3	1,361	1,493	1,712	1,750	18,013	17,117
365	Radio and TV	1,195	1,196	1,213	1,203	-0.1	-1.4	+0.8	1,142	1,234	1,363	1,421	13,190	11,166
366	Communication equipment	6,178	6,084	5,467	5,973	+1.5	+11.3	-8.5	6,530	6,057	5,434	6,076	66,003	62,474
367	Electronic components	3,331	3,383	3,299	3,280	-1.5	+2.5	+0.6	3,121	3,390	3,279	3,487	39,490	38,865
37	Transportation equipment	32,117	27,607	28,334	27,082	+16.3	-2.6	+4.6	29,478	27,231	29,316	28,114	329,694	313,427
371	Motor vehicles and parts	20,626	17,216	17,720	17,777	+19.8	-2.8	-0.3	16,785	16,841	18,919	18,404	211,698	203,371
372,6	Aircraft, missiles, and parts	9,755	8,680	8,878	7,720	+12.4	-2.2	+15.0	10,976	8,828	8,740	8,202	98,945	90,601
3731,95	Shipbuilding and military tank vehicles	759	732	684	648	+3.7	+7.0	+5.6	855	727	681	656	8,495	9,818
38	Instruments and related products	4,723	4,725	4,823	4,568	0.0	-2.0	+5.6	4,871	4,747	4,959	4,942	56,341	56,743
381-4	Scientific and engineering instruments	3,009	3,042	3,094	2,919	-1.1	-1.7	+6.0	3,169	2,954	3,094	3,147	36,685	37,310
386	Photographic goods	1,523	1,504	1,555	1,492	+1.3	-3.3	+4.2	1,549	1,618	1,675	1,622	17,558	17,186
24,25, 39	All other durable goods	11,247	11,426	11,482	11,671	-1.6	-0.5	-1.6	10,197	11,129	12,325	12,535	134,869	123,504
	Nondurable goods industries	91,974	90,553	88,759	90,254	+1.6	+2.0	-1.7	89,196	89,694	90,751	95,240	1,078,686	1,097,427
	With unfilled orders	23,884	23,017	23,145	23,352	+3.8	-0.6	-0.9	23,204	23,154	24,096	24,385	270,699	252,480
20	Food and kindred products	26,571	26,703	26,469	26,552	-0.5	+0.9	-0.3	26,386	26,506	27,172	28,307	310,977	296,142
201	Meat products	5,819	6,181	6,164	6,127	-5.9	+0.3	+0.6	5,930	6,138	6,398	6,262	69,486	67,646
208	Beverages	4,052	3,856	3,931	3,997	+5.1	-1.9	-1.7	3,525	3,617	3,982	4,025	47,622	45,246
207	Fats and oils	1,097	1,110	1,092	1,073	-1.2	+1.6	+1.8	1,106	1,150	1,090	1,088	12,803	13,673
203-6,9	All other foods	12,106	12,084	11,900	12,095	+0.2	+1.5	-1.6	12,457	12,132	12,340	13,571	141,253	130,891
21	Tobacco products	2,403	2,038	1,486	1,815	+17.9	+37.1	-18.1	2,581	2,052	1,508	2,013	21,953	20,606
22	Textile mill products	4,693	4,692	4,793	4,693	0.0	-2.1	+2.1	4,389	4,565	5,002	5,067	54,479	52,627
26	Paper and allied products	9,826	9,489	9,397	9,515	+3.6	+1.0	-1.2	9,197	9,138	9,479	9,704	109,378	97,565
261-3,6	Pulp, paper etc.	4,355	3,998	4,086	4,077	+8.9	-2.2	+0.2	4,093	3,945	4,050	4,115	46,553	41,811
265	Paperboard containers	1,961	1,837	1,790	1,855	+6.8	+2.6	-3.5	1,763	1,786	1,896	1,914	21,935	21,407
264	All other paper products	3,510	3,654	3,521	3,583	-3.9	+3.8	-1.7	3,341	3,407	3,533	3,675	40,890	34,347
28	Chemicals and allied products	18,070	17,854	17,903	17,949	+1.2	-0.3	-0.3	17,587	16,842	17,161	18,767	214,045	214,345
281,6	Industrial chemicals, except pigments	5,917	6,050	5,952	5,958	-2.2	+1.6	-0.1	5,775	5,778	5,684	5,982	70,400	71,638
283,4	Drugs, soaps, and toiletries	5,239	5,152	5,239	5,249	+1.7	-1.7	-0.2	5,370	4,961	5,155	6,162	61,753	56,061
29	Petroleum and coal products	10,963	10,986	10,203	10,718	-0.2	+7.7	-4.8	11,099	10,997	10,306	11,006	143,026	194,030
30	Rubber and plastics products	4,053	4,087	3,995	3,984	-0.8	+2.3	+0.3	3,606	3,975	4,257	4,250	47,694	48,246
23,27, 31	All other nondurable goods	15,395	14,704	14,513	15,028	+4.7	+1.3	-3.4	14,351	15,619	15,866	16,126	177,134	173,866
	Market categories:													
	Home goods and apparel	14,127	13,865	13,461	14,107	+1.9	+3.0	-4.6	11,943	14,194	14,952	15,891	163,633	158,796
	Consumer staples	38,476	37,989	37,419	38,088	+1.3	+1.5	-1.8	38,709	38,053	38,379	40,939	444,533	416,523
	Equipment and defense products, except automotive	32,013	30,870	30,486	29,735	+3.7	+1.3	+2.5	35,352	30,680	30,333	31,613	364,609	364,113
	Automotive equipment	22,641	19,266	19,861	19,696	+17.5	-3.0	+0.8	18,435	18,626	21,084	20,331	234,289	226,162
	Construction materials, supplies and intermediate products	17,745	18,228	18,623	18,346	-2.6	-2.1	+1.5	16,330	17,679	19,501	19,669	217,558	206,604
	Other materials, supplies, and intermediate products	78,603	77,004	76,352	76,309	+2.1	+0.9	+0.1	75,180	75,230	77,047	78,565	922,999	969,022
	Supplementary series:[2]													
	Capital goods industries	38,240	36,320	35,730	34,768	+5.3	+1.7	+2.8	41,693	36,413	35,551	36,860	421,036	411,391
	Nondefense	29,068	27,628	27,722	27,081	+5.2	-0.3	+2.4	31,791	27,674	27,506	28,805	327,133	326,703
	Defense	9,172	8,692	8,008	7,687	+5.5	+8.5	+4.2	9,902	8,739	8,045	8,055	93,903	84,688
	Household durable goods industries	7,157	7,209	7,133	7,489	-0.7	+1.1	-4.8	6,414	7,203	7,854	8,523	84,131	78,046

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1986P	Nov. 1986r	Oct. 1986	Sept. 1986	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1986P	Nov. 1986r	Oct. 1986	Sept. 1986	1986P	1985
	All manufacturing industries	201,913	199,454	192,502	199,399	+1.2	+3.6	-3.5	198,481	194,988	199,388	208,321	2,349,320	2,349,640
	Manufacturing industries with unfilled orders	111,772	112,929	106,660	112,688	-1.0	+5.9	-5.3	114,073	110,227	111,237	116,878	1,304,136	1,280,648
	Durable goods industries	109,838	108,826	103,569	108,723	+0.9	+5.1	-4.7	109,153	105,407	108,623	112,745	1,269,999	1,251,657
	With unfilled orders	87,787	89,837	83,341	88,914	-2.3	+7.8	-6.3	90,737	87,186	87,127	92,157	1,032,802	1,027,613
32	Stone, clay, and glass products	4,680	4,960	4,958	4,960	-5.6	0.0	0.0	4,049	4,844	5,200	5,359	58,863	57,491
33	Primary metals	10,628	9,441	9,713	9,842	+12.6	-2.8	-1.3	9,883	9,011	9,516	9,588	117,705	126,403
331	Blast furnaces, steel mills	4,451	3,738	3,677	4,212	+19.1	+1.7	-12.7	4,314	3,599	3,561	3,903	48,259	53,023
333-9	Nonferrous and other primary metals	4,999	4,669	4,651	4,504	+7.1	+0.4	+3.3	4,567	4,399	4,499	4,589	54,837	58,219
34	Fabricated metal products	14,471	14,300	14,217	14,051	+1.2	+0.6	+1.2	13,501	13,687	14,524	14,759	169,070	167,729
35	Machinery, except electrical	15,506	16,951	15,231	16,523	-8.5	+11.3	-7.8	16,924	16,596	15,819	17,091	198,657	210,701
351	Engines and turbines	640	1,193	727	1,541	-46.4	+64.1	-52.8	500	970	1,128	1,510	13,401	14,952
353	Construction, mining, and material handling equipment	2,589	2,680	2,375	2,170	-3.4	+12.8	+9.4	2,585	2,680	2,415	2,320	31,526	34,027
354	Metalworking machinery	715	881	796	980	-18.8	+10.7	-18.8	671	834	882	967	9,927	10,729
356	General industrial machinery	1,235	1,476	1,473	1,416	-16.3	+0.2	+4.0	1,243	1,416	1,567	1,386	17,247	16,527
357	Office and computing machines	3,848	4,159	3,537	3,868	-7.5	+17.6	-8.6	5,902	4,479	3,338	4,267	47,406	54,137
36	Electrical machinery	18,469	16,739	17,083	17,672	+10.3	-2.0	-3.3	18,845	16,050	17,301	18,612	199,234	189,040
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,134	2,017	2,198	2,228	+5.8	-8.2	-1.3	2,168	1,937	2,129	2,363	25,084	24,482
363	Household appliances	1,511	1,607	1,667	1,653	-6.0	-3.6	+0.8	1,326	1,460	1,652	1,778	17,935	17,111
365	Radio and TV	1,043	1,205	1,410	1,280	-13.4	-14.5	+10.2	1,062	1,185	1,351	1,496	13,118	11,169
366	Communication equipment	6,048	5,540	5,709	6,341	+9.2	-3.0	-10.0	6,968	5,122	5,801	6,706	69,188	69,438
367	Electronic components	4,371	3,164	3,006	3,059	+38.1	+5.3	-1.7	4,042	2,967	3,020	2,944	38,788	35,939
37	Transportation equipment	30,176	30,247	26,115	28,964	-0.2	+15.8	-9.8	31,254	29,625	29,317	29,772	335,392	320,041
372,6	Aircraft, missiles, and parts	8,574	12,518	6,783	9,530	-31.5	+84.5	-28.8	13,197	11,742	8,724	9,872	105,621	101,596
3731,95	Shipbuilding and military tank vehicles	301	-348	317	774	(n)	-209.8	-59.0	487	362	347	739	7,939	6,549
38	Instruments and related products	4,597	4,601	4,843	4,843	-0.1	-5.0	0.0	4,729	4,573	4,901	5,159	55,987	57,033
24,25, 39	All other durable goods	11,311	11,587	11,409	11,868	-2.4	+1.6	-3.9	9,968	11,021	12,045	12,405	135,091	123,219
	Nondurable goods industries	92,075	90,628	88,933	90,676	+1.6	+1.9	-1.9	89,328	89,581	90,765	95,576	1,079,321	1,097,983
	With unfilled orders	23,985	23,092	23,319	23,774	+3.9	-1.0	-1.9	23,336	23,041	24,110	24,721	271,334	253,035
	Market categories:													
	Home goods and apparel	13,815	13,915	13,624	14,332	-0.7	+2.1	-4.9	11,577	13,953	14,648	15,798	163,709	158,586
	Consumer staples	38,518	38,033	37,420	38,044	+1.3	+1.6	-1.6	38,750	38,061	38,363	40,924	444,552	416,623
	Equipment and defense products, except automotive	30,308	32,480	26,930	30,473	-6.7	+20.6	-11.6	36,648	32,007	29,552	32,106	365,946	372,472
	Automotive equipment	22,399	19,209	20,091	19,681	+16.6	-4.4	+2.1	18,434	18,521	21,428	20,285	234,076	225,227
	Construction materials, supplies and intermediate products	17,832	18,189	18,476	18,250	-2.0	-1.6	+1.2	16,237	17,545	19,148	19,478	216,831	206,385
	Other materials, supplies, and intermediate products	79,041	77,628	75,961	78,619	+1.8	+2.2	-3.4	76,835	74,901	76,249	79,730	924,206	970,347
	Supplementary series:[2]													
	Capital goods industries	34,586	38,798	31,913	37,060	-10.9	+21.6	-13.9	42,136	38,029	34,680	38,715	423,682	423,075
	Nondefense	30,116	28,442	26,912	28,222	+5.9	+5.7	-4.6	32,105	28,029	28,120	29,027	326,145	326,577
	Defense	4,470	10,356	5,001	8,838	-56.8	+107.1	-43.4	10,031	10,000	6,560	9,688	97,537	96,498
	Household durable goods industries	6,952	7,330	7,333	7,707	-5.2	0.0	-4.9	6,158	7,024	7,603	8,443	84,321	77,795

P Preliminary. r Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for shipbuilding and military tank vehicles in December was 186.0 percent.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Dec. 1985
	All manufacturing industries..	365,437	367,129	364,897	368,597	-0.5	+0.6	-1.0	363,059	360,527	360,001	361,909	361,360
	Durable goods industries.....	353,989	355,782	353,625	357,499	-0.5	+0.6	-1.1	351,955	349,555	348,916	350,838	350,891
32	Stone, clay, and glass products...	2,602	2,666	2,674	2,694	-2.4	-0.3	-0.7	2,472	2,557	2,585	2,662	2,633
33	Primary metals.....	20,430	19,312	19,371	19,428	+5.8	-0.3	-0.3	19,811	18,432	18,405	18,661	19,130
331	Blast furnaces, steel mills.....	10,097	9,416	9,356	9,569	+7.2	+0.6	-2.2	9,784	8,908	8,785	9,052	8,906
333-9	Nonferrous and other primary metals.....	6,439	6,016	5,955	5,977	+7.0	+1.0	-0.4	6,149	5,691	5,633	5,840	6,746
34	Fabricated metal products.....	19,358	19,044	18,780	18,960	+1.6	+1.4	-0.9	18,923	18,558	18,568	19,081	19,957
35	Machinery, except electrical.....	53,315	55,016	54,865	56,384	-3.1	+0.3	-2.7	52,991	54,689	54,587	55,387	59,053
351	Engines and turbines.....	13,192	14,197	14,281	14,818	-7.1	-0.6	-3.6	13,298	14,464	14,667	14,715	15,027
353	Construction, mining, and material handling equipment....	4,993	4,861	4,773	4,832	+2.7	+1.8	-1.2	4,928	4,812	4,711	4,774	6,317
354	Metalworking machinery.....	3,320	3,475	3,544	3,709	-4.5	-1.9	-4.4	3,300	3,517	3,590	3,739	3,878
356	General industrial machinery....	4,201	4,161	4,131	4,168	+1.0	+0.7	-0.9	4,121	4,128	4,106	4,114	4,243
357	Office and computing machines...	17,220	17,935	17,779	18,243	-4.0	+0.9	-2.5	17,082	17,505	17,317	17,732	18,890
36	Electrical machinery.....	84,376	83,833	84,701	84,527	+0.6	-1.0	+0.2	83,515	82,481	84,045	83,984	81,441
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,410	5,499	5,619	5,556	-1.6	-2.1	+1.1	5,350	5,459	5,593	5,532	5,741
363	Household appliances.....	322	375	403	403	-14.1	-6.9	0.0	279	314	347	407	357
365	Radio and TV.....	418	570	561	364	-26.7	+1.6	+54.1	366	446	495	507	438
366	Communication equipment.....	60,911	61,041	61,585	61,343	-0.2	-0.9	+0.4	60,718	60,280	61,215	60,848	57,533
367	Electronic components.....	15,740	14,700	14,919	15,212	+7.1	-1.5	-1.9	15,268	14,347	14,770	15,029	15,970
37	Transportation equipment.....	159,786	161,727	159,087	161,306	-1.2	+1.7	-1.4	160,873	159,097	156,703	156,702	155,175
372,6	Aircraft, missiles, and parts...	137,439	138,620	134,782	136,877	-0.9	+2.8	-1.5	138,208	135,987	133,073	133,089	131,532
3731,95	Shipbuilding and military tank vehicles.....	16,864	17,322	18,403	18,770	-2.6	-5.9	-2.0	17,031	17,399	17,764	18,098	17,588
38	Instruments and related products..	8,381	8,507	8,631	8,611	-1.5	-1.4	+0.2	8,250	8,392	8,566	8,624	8,604
24,25, 39	All other durable goods.....	5,741	5,677	5,516	5,589	+1.1	+2.9	-1.3	5,120	5,349	5,457	5,737	4,898
	Nondurable goods industries.....	11,448	11,347	11,272	11,098	+0.9	+0.7	+1.6	11,104	10,972	11,085	11,071	10,469
	Market categories:												
	Home goods and apparel.....	4,283	4,595	4,545	4,382	-6.8	+1.1	+3.7	3,694	4,060	4,301	4,605	3,618
	Consumer staples.....	770	728	684	683	+5.8	+6.4	+0.1	752	711	703	719	733
	Equipment and defense products, except automotive.....	229,489	231,194	229,584	233,140	-0.7	+0.7	-1.5	229,597	228,301	226,974	227,755	228,260
	Automotive equipment.....	5,170	5,412	5,469	5,239	-4.5	-1.0	+4.4	5,341	5,342	5,447	5,103	5,554
	Construction materials, supplies and intermediate products.....	11,664	11,577	11,616	11,763	+0.8	-0.3	-1.2	11,249	11,342	11,476	11,829	11,976
	Other materials, supplies, and intermediate products.....	114,061	113,623	112,999	113,390	+0.4	+0.6	-0.3	112,426	110,771	111,100	111,898	111,219
	Supplementary series:[2]												
	Capital goods industries.....	277,903	281,557	279,079	282,896	-1.3	+0.9	-1.3	278,186	277,743	276,127	276,998	275,540
	Nondefense.....	132,834	131,786	130,972	131,782	+0.8	+0.6	-0.6	131,714	131,400	131,045	130,431	132,702
	Defense.....	145,069	149,771	148,107	151,114	-3.1	+1.1	-2.0	146,472	146,343	145,082	146,567	142,838
	Household durable goods industries.....	3,944	4,149	4,028	3,828	-4.9	+3.0	+5.2	3,370	3,626	3,805	4,056	3,180

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Dec. 1985
	All manufacturing industries..	275,846	276,416	276,007	276,574	-0.2	+0.1	-0.2	271,904	275,187	275,619	275,097	277,885
	Manufacturing industries with unfilled orders.....	192,113	193,402	193,858	194,469	-0.7	-0.2	-0.3	188,656	191,827	193,175	193,677	193,407
	Durable goods industries.....	183,822	185,496	185,358	186,102	-0.9	+0.1	-0.4	180,707	183,994	184,747	185,275	186,014
	With unfilled orders.....	168,198	169,764	170,325	170,885	-0.9	-0.3	-0.3	165,376	168,640	170,028	170,364	170,489
32	Stone, clay, and glass products...	5,553	5,581	5,480	5,529	-0.5	+1.8	-0.9	5,461	5,400	5,306	5,385	5,574
322	Glass containers.....	692	672	652	644	+3.0	+3.1	+1.2	671	665	645	629	630
33	Primary metals.....	15,673	15,510	15,514	15,855	+1.1	0.0	-2.2	15,441	15,477	15,465	15,790	17,591
331	Blast furnaces, steel mills.....	6,356	6,349	6,272	6,515	+0.1	+1.2	-3.7	6,381	6,444	6,341	6,561	7,861
333-9	Nonferrous and other primary metals.....	8,139	8,021	8,079	8,140	+1.5	-0.7	-0.7	7,911	7,909	7,974	8,042	8,490
34	Fabricated metal products.....	18,662	18,616	18,533	18,734	+0.2	+0.4	-1.1	18,190	18,034	18,181	18,375	18,915
341	Metal cans, barrels, and drums..	2,369	2,500	2,393	2,460	-5.2	+4.5	-2.7	2,149	2,115	2,027	2,108	2,043
35	Machinery, except electrical.....	36,116	36,697	36,690	36,784	-1.6	0.0	-0.3	35,606	36,518	36,595	36,618	38,890
351	Engines and turbines.....	1,861	1,964	1,945	1,963	-5.2	+1.0	-0.9	1,861	1,964	1,950	1,925	1,807
352	Farm machinery and equipment....	1,779	1,717	1,704	1,610	+3.6	+0.8	+5.8	1,726	1,641	1,622	1,623	1,870
353	Construction, mining, and material handling equipment....	5,756	5,746	5,846	5,904	+0.2	-1.7	-1.0	5,664	5,717	5,805	5,839	6,282
354	Metalworking machinery.....	2,774	2,784	2,745	2,753	-0.4	+1.4	-0.3	2,730	2,792	2,756	2,736	2,708
356	General industrial machinery....	3,114	3,195	3,202	3,181	-2.5	-0.2	+0.7	3,092	3,166	3,160	3,149	3,311
357	Office and computing machines...	9,832	10,195	10,300	10,294	-3.6	-1.0	+0.1	9,694	10,164	10,393	10,356	11,953
36	Electrical machinery.....	33,837	34,173	34,361	34,529	-1.0	-0.5	-0.5	33,225	33,851	34,274	34,378	32,876
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,979	4,104	4,075	4,137	-3.0	+0.7	-1.5	3,922	4,108	4,118	4,118	4,162
363	Household appliances.....	2,383	2,395	2,397	2,401	-0.5	-0.1	-0.2	2,257	2,232	2,282	2,262	2,172
365	Radio and TV.....	1,628	1,600	1,621	1,585	+1.8	-1.3	+2.3	1,579	1,584	1,602	1,645	1,278
366	Communication equipment.....	14,996	15,061	15,084	15,248	-0.4	-0.2	-1.1	14,791	15,005	15,142	15,210	14,558
367	Electronic components.....	5,957	5,935	6,041	6,021	+0.4	-1.8	+0.3	5,963	5,905	6,023	5,985	5,919
37	Transportation equipment.....	49,422	50,645	50,702	50,804	-2.4	-0.1	-0.2	48,725	50,777	51,004	50,832	48,396
371	Motor vehicles and parts.....	11,006	11,008	10,645	10,642	0.0	+3.4	0.0	10,898	11,118	10,877	10,784	11,365
372,6	Aircraft, missiles, and parts...	35,237	36,249	36,657	36,662	-2.8	-1.1	0.0	34,544	36,212	36,725	36,578	33,844
3731,95	Shipbuilding and military tank vehicles.....	1,684	1,825	1,781	1,746	-7.7	+2.5	+2.0	1,692	1,818	1,791	1,754	1,448
38	Instruments and related products..	9,534	9,702	9,704	9,608	-1.7	0.0	+1.0	9,317	9,609	9,620	9,600	9,376
381-4	Scientific and engineering instruments.....	6,748	6,877	6,843	6,784	-1.9	+0.5	+0.9	6,620	6,843	6,781	6,750	6,720
386	Photographic goods.....	2,179	2,204	2,239	2,195	-1.1	-1.6	+2.0	2,092	2,169	2,237	2,224	2,064
24,25, 39	All other durable goods.....	15,025	14,572	14,374	14,259	+3.1	+1.4	+0.8	14,742	14,328	14,302	14,297	14,396
	Nondurable goods industries.....	92,024	90,920	90,649	90,472	+1.2	+0.3	+0.2	91,197	91,193	90,872	89,822	91,871
	With unfilled orders.....	23,915	23,638	23,533	23,584	+1.2	+0.4	-0.2	23,280	23,187	23,147	23,313	22,918
20	Food and kindred products.....	21,221	21,122	21,205	21,054	+0.5	-0.4	+0.7	21,653	22,333	22,314	21,332	21,524
201	Meat products.....	2,197	2,220	2,254	2,318	-1.0	-1.5	-2.8	2,111	2,280	2,227	2,170	2,248
208	Beverages.....	3,408	3,433	3,385	3,469	-0.7	+1.4	-2.4	3,408	3,361	3,344	3,382	3,382
207	Fats and oils.....	973	957	1,060	1,047	+1.7	-9.7	+1.2	1,132	1,163	1,083	822	1,152
203-6,9	All other foods.....	12,750	12,621	12,667	12,423	+1.0	-0.4	+2.0	13,183	13,706	13,832	13,181	13,052
21	Tobacco products.....	3,108	3,053	3,034	2,974	+1.8	+0.6	+2.0	3,270	3,105	3,083	2,956	3,440
22	Textile mill products.....	6,300	6,252	6,310	6,397	+0.8	-0.9	-1.4	6,149	6,098	6,100	6,276	6,586
26	Paper and allied products.....	10,221	10,040	9,962	10,065	+1.8	+0.8	-1.0	10,088	10,010	9,841	9,842	9,600
261-3,6	Pulp, paper etc.....	4,061	3,993	3,917	3,906	+1.7	+1.9	+0.3	4,050	3,993	3,897	3,832	3,790
265	Paperboard containers.....	2,469	2,375	2,392	2,411	+4.0	-0.7	-0.8	2,449	2,354	2,347	2,372	2,344
264	All other paper products.....	3,691	3,672	3,653	3,748	+0.5	+0.5	-2.5	3,589	3,663	3,597	3,638	3,466
28	Chemicals and allied products.....	23,058	22,398	22,297	22,141	+2.9	+0.5	+0.7	22,916	22,346	22,063	21,675	21,293
281,6	Industrial chemicals, except pigments.....	7,153	6,778	6,727	6,658	+5.5	+0.8	+1.0	7,053	6,758	6,680	6,558	6,344
283,4	Drugs, soaps, and toiletries....	7,470	7,351	7,368	7,223	+1.6	-0.2	+2.0	7,321	7,366	7,280	7,100	6,715
29	Petroleum and coal products.....	5,444	5,493	5,512	5,478	-0.9	-0.3	+0.6	5,338	5,721	5,652	5,567	7,766
30	Rubber and plastics products.....	6,368	6,281	6,150	6,285	+1.4	+2.1	-2.1	6,262	6,107	6,028	6,128	6,205
23,27, 31	All other nondurable goods.....	16,304	16,281	16,179	16,078	+0.1	+0.6	+0.6	15,521	15,473	15,791	16,046	15,457
	Market categories:												
	Home goods and apparel.....	22,639	22,524	22,359	22,228	+0.5	+0.7	+0.6	21,792	21,491	21,749	22,041	21,223
	Consumer staples.....	34,568	34,386	34,317	33,946	+0.5	+0.2	+1.1	34,723	35,296	35,300	34,340	33,999
	Equipment and defense products, except automotive.....	80,543	82,464	82,723	83,062	-2.3	-0.3	-0.4	79,536	82,091	82,668	82,478	82,777
	Automotive equipment.....	13,041	13,114	12,762	12,937	-0.6	+2.8	-1.4	13,002	13,222	12,918	12,992	13,755
	Construction materials, supplies and intermediate products.....	18,791	18,482	18,178	18,278	+1.7	+1.7	-0.5	18,490	18,125	18,005	18,104	18,941
	Other materials, supplies, and intermediate products.....	106,264	105,446	105,668	106,123	+0.8	-0.2	-0.4	104,361	104,962	104,979	105,142	107,190
	Supplementary series:[2]												
	Capital goods industries.....	94,351	96,585	97,135	97,465	-2.3	-0.6	-0.3	92,700	96,275	97,203	97,095	95,041
	Nondefense.....	66,174	67,560	67,914	68,429	-2.1	-0.5	-0.8	64,993	67,724	68,266	68,237	69,212
	Defense.....	28,177	29,025	29,221	29,036	-2.9	-0.7	+0.6	27,707	28,551	28,937	28,858	25,829
	Household durable goods industries.....	11,868	11,695	11,591	11,446	+1.5	+0.9	+1.3	11,502	11,272	11,353	11,376	10,633

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Dec. 1985
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	86,695	85,904	86,141	86,419	+0.9	-0.3	-0.3	86,920	85,528	85,656	85,694	89,245
	Durable goods industries.....	50,973	50,606	50,561	51,052	+0.7	+0.1	-1.0	50,848	50,541	50,615	51,051	53,418
32	Stone, clay, and glass products...	1,669	1,694	1,710	1,697	-1.5	-0.9	+0.8	1,681	1,679	1,706	1,700	1,767
33	Primary metals.....	4,545	4,537	4,557	4,564	+0.2	-0.4	-0.2	4,678	4,655	4,631	4,584	5,264
34	Fabricated metal products.....	6,790	6,802	6,744	6,880	-0.2	+0.9	-2.0	6,738	6,638	6,652	6,828	7,350
35	Machinery, except electrical.....	10,322	10,346	10,345	10,524	-0.2	0.0	-1.7	10,259	10,318	10,311	10,421	10,972
36	Electrical Machinery.....	7,679	7,700	7,697	7,871	-0.3	0.0	-2.2	7,610	7,573	7,636	7,873	7,902
37	Transportation equipment.....	11,744	11,591	11,536	11,625	+1.3	+0.5	-0.8	11,613	11,621	11,522	11,607	11,929
38	Instruments and related products..	2,599	2,646	2,627	2,625	-1.8	+0.7	+0.1	2,582	2,630	2,635	2,656	2,628
24,25, 39	All other durable goods.....	5,625	5,290	5,345	5,266	+6.3	-1.0	+1.5	5,687	5,427	5,522	5,382	5,606
	Nondurable goods industries.....	35,722	35,298	35,580	35,367	+1.2	-0.8	+0.6	36,072	34,987	35,041	34,643	35,827
20	Food and kindred products.....	7,967	7,870	7,986	7,845	+1.2	-1.5	+1.8	8,221	8,134	8,019	7,401	7,656
21	Tobacco products.....	2,575	2,426	2,408	2,419	+6.1	+0.7	-0.5	2,781	2,357	2,281	2,330	2,969
22	Textile mill products.....	1,918	1,858	1,918	1,885	+3.2	-3.1	+1.8	1,892	1,793	1,805	1,832	2,050
26	Paper and allied products.....	5,015	4,984	4,921	4,976	+0.6	+1.3	-1.1	5,067	4,961	4,902	4,936	4,730
28	Chemicals and allied products.....	8,432	8,354	8,519	8,348	+0.9	-1.9	+2.0	8,402	8,190	8,349	8,319	7,935
29	Petroleum and coal products.....	1,660	1,621	1,652	1,623	+2.4	-1.9	+1.8	1,590	1,607	1,646	1,583	2,107
30	Rubber and plastics products.....	2,239	2,229	2,215	2,265	+0.4	+0.6	-2.2	2,315	2,196	2,210	2,230	2,322
23,27, 31	All other nondurable goods.....	5,916	5,956	5,961	6,006	-0.7	-0.1	-0.7	5,804	5,749	5,829	6,012	6,058
	WORK IN PROCESS												
	All manufacturing industries..	102,582	103,772	104,412	104,635	-1.1	-0.6	-0.2	100,345	103,455	104,803	104,602	102,202
	Durable goods industries.....	88,401	89,778	90,507	90,898	-1.5	-0.8	-0.4	86,599	89,442	90,769	90,768	88,084
32	Stone, clay, and glass products...	752	755	713	746	-0.4	+5.9	-4.4	725	714	681	726	762
33	Primary metals.....	6,786	6,630	6,593	6,746	+2.4	+0.6	-2.3	6,548	6,562	6,561	6,755	7,077
34	Fabricated metal products.....	6,878	6,920	6,826	6,942	-0.6	+1.4	-1.7	6,536	6,664	6,753	6,856	6,753
35	Machinery, except electrical.....	14,199	14,496	14,639	14,833	-2.0	-1.0	-1.3	13,997	14,543	14,768	14,778	15,777
36	Electrical Machinery.....	19,992	20,254	20,456	20,353	-1.3	-1.0	+0.5	19,634	20,205	20,498	20,275	19,003
37	Transportation equipment.....	32,565	33,404	33,963	34,022	-2.5	-1.6	-0.2	32,071	33,491	34,260	34,138	31,467
38	Instruments and related products..	3,905	4,022	4,045	4,032	-2.9	-0.6	+0.3	3,809	3,999	4,013	4,003	3,989
24,25, 39	All other durable goods.....	3,324	3,297	3,272	3,224	+0.8	+0.8	+1.5	3,279	3,264	3,235	3,237	3,256
	Nondurable goods industries.....	14,181	13,994	13,905	13,737	+1.3	+0.6	+1.2	13,746	14,013	14,034	13,834	14,118
20	Food and kindred products.....	1,553	1,645	1,670	1,664	-5.6	-1.5	+0.4	1,602	1,661	1,652	1,625	1,619
21	Tobacco products.....	327	304	297	259	+7.6	+2.4	+14.7	304	421	476	350	246
22	Textile mill products.....	1,886	1,925	1,892	1,902	-2.0	+1.7	-0.5	1,868	1,910	1,884	1,904	1,978
26	Paper and allied products.....	1,218	1,209	1,186	1,157	+0.7	+1.9	+2.5	1,163	1,201	1,188	1,175	1,130
28	Chemicals and allied products.....	3,428	3,445	3,479	3,483	-0.5	-1.0	-0.1	3,323	3,446	3,476	3,475	3,431
29	Petroleum and coal products.....	737	746	769	733	-1.2	-3.0	+4.9	697	744	751	737	1,338
30	Rubber and plastics products.....	1,331	1,264	1,194	1,233	+5.3	+5.9	-3.2	1,303	1,270	1,201	1,251	1,148
23,27, 31	All other nondurable goods.....	3,701	3,456	3,418	3,306	+7.1	+1.1	+3.4	3,486	3,360	3,406	3,317	3,228
	FINISHED GOODS												
	All manufacturing industries..	86,569	86,740	85,454	85,520	-0.2	+1.5	-0.1	84,639	86,204	85,160	84,801	86,438
	Durable goods industries.....	44,448	45,112	44,290	44,152	-1.5	+1.9	+0.3	43,260	44,011	43,363	43,456	44,512
32	Stone, clay, and glass products...	3,132	3,132	3,057	3,086	0.0	+2.5	-0.9	3,055	3,007	2,919	2,959	3,045
33	Primary metals.....	4,342	4,343	4,364	4,545	0.0	-0.5	-4.0	4,215	4,260	4,273	4,451	5,250
34	Fabricated metal products.....	4,994	4,894	4,963	4,912	+2.0	-1.4	+1.0	4,916	4,732	4,776	4,691	4,812
35	Machinery, except electrical.....	11,595	11,855	11,706	11,427	-2.2	+1.3	+2.4	11,350	11,657	11,516	11,419	12,141
36	Electrical Machinery.....	6,166	6,219	6,208	6,305	-0.9	+0.2	-1.5	5,981	6,073	6,140	6,230	5,971
37	Transportation equipment.....	5,113	5,650	5,203	5,157	-9.5	+8.6	+0.9	5,041	5,665	5,222	5,087	5,000
38	Instruments and related products..	3,030	3,034	3,032	2,951	-0.1	+0.1	+2.7	2,926	2,980	2,972	2,941	2,759
24,25, 39	All other durable goods.....	6,076	5,985	5,757	5,769	+1.5	+4.0	-0.2	5,776	5,637	5,545	5,678	5,534
	Nondurable goods industries.....	42,121	41,628	41,164	41,368	+1.2	+1.1	-0.5	41,379	42,193	41,797	41,345	41,926
20	Food and kindred products.....	11,701	11,607	11,549	11,545	+0.8	+0.5	0.0	11,830	12,538	12,643	12,306	12,249
21	Tobacco products.....	206	323	329	296	-36.2	-1.8	+11.1	185	327	326	276	225
22	Textile mill products.....	2,496	2,469	2,500	2,610	+1.1	-1.2	-4.2	2,389	2,395	2,411	2,540	2,558
26	Paper and allied products.....	3,988	3,847	3,855	3,932	+3.7	-0.2	-2.0	3,858	3,848	3,751	3,731	3,740
28	Chemicals and allied products.....	11,198	10,599	10,299	10,310	+5.7	+2.9	-0.1	11,191	10,710	10,238	9,881	9,927
29	Petroleum and coal products.....	3,047	3,126	3,091	3,122	-2.5	+1.1	-1.0	3,051	3,370	3,255	3,247	4,321
30	Rubber and plastics products.....	2,798	2,788	2,741	2,787	+0.4	+1.7	-1.7	2,644	2,641	2,617	2,647	2,735
23,27, 31	All other nondurable goods.....	6,687	6,869	6,800	6,766	-2.6	+1.0	+0.5	6,231	6,364	6,556	6,717	6,171

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986	Dec. 1986p	Nov. 1986r	Oct. 1986	Sept. 1986
	All manufacturing industries	1.35	1.40	1.41	1.41	3.22	3.32	3.31	3.36
	Durable goods industries	1.65	1.74	1.73	1.76	3.95	4.06	4.05	4.15
32	Stone, clay, and glass products	1.17	1.12	1.10	1.12	0.61	0.59	0.59	0.60
33	Primary metals	1.65	1.63	1.59	1.64	2.15	2.03	1.98	2.01
34	Fabricated metal products	1.32	1.33	1.29	1.31	1.46	1.45	1.39	1.41
35	Machinery, except electrical	2.10	2.18	2.19	2.22	3.23	3.42	3.41	3.55
36	Electrical machinery	1.89	1.94	2.03	2.00	4.71	4.76	5.01	4.90
37	Transportation equipment	1.54	1.83	1.79	1.88	9.08	9.93	10.08	10.96
38	Instruments and related products	2.02	2.05	2.01	2.10	1.77	1.80	1.79	1.89
	Nondurable goods industries	1.00	1.00	1.02	1.00	0.48	0.49	0.49	0.48
20	Food and kindred products	0.80	0.79	0.80	0.79	(X)	(X)	(X)	(X)
21	Tobacco products	1.29	1.50	2.04	1.64	(X)	(X)	(X)	(X)
22	Textile mill products	1.34	1.33	1.32	1.36	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.04	1.06	1.06	1.06	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.28	1.25	1.25	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.50	0.50	0.54	0.51	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.57	1.54	1.54	1.58	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Dec. 1985	All Decs. 1981-1985	Dec. 1985-Nov. 1986	Year ago Dec. 1985	All Decs. 1981-1985	Dec. 1985-Nov. 1986	Year ago Dec. 1985	All Decs. 1981-1985	Dec. 1985-Nov. 1986	Year ago Dec. 1985	All Decs. 1981-1985	Dec. 1985-Oct. 1986
	All manufacturing industries.	0.5	0.6	0.3	0.5	0.6	0.3	0.1	0.4	0.1	0.5	0.3	0.1
	Durable goods industries	0.8	0.8	0.4	0.7	1.3	0.6	0.1	0.4	0.1	0.2	0.3	0.1
32	Stone, clay, and glass products	0.7	0.7	0.9	0.1	1.3	1.0	1.5	2.1	0.9	0.3	0.5	0.3
33	Primary metals	2.5	1.3	0.7	3.3	2.6	0.7	0.4	0.6	0.3	0.2	0.5	0.2
34	Fabricated metal products	0.5	1.0	1.0	0.6	0.8	1.1	0.8	0.2	0.4	2.1	1.0	0.4
35	Machinery, except electrical	1.6	1.3	0.6	2.5	3.8	1.2	0.3	0.8	0.2	0.4	0.1	0.2
36	Electrical machinery	5.1	3.5	0.7	6.7	2.5	1.3	0.2	0.5	0.1	0.4	0.9	0.2
37	Transportation equipment	0.6	1.3	0.3	3.0	2.1	1.3	0.4	0.4	0.2	0.5	0.7	0.2
38	Instruments and related products.	1.2	1.2	1.2	0.0	0.5	1.4	0.7	0.5	0.4	0.5	0.6	0.3
	Nondurable goods industries	0.2	0.4	0.3	0.2	0.4	0.4	0.4	0.6	0.5	1.0	0.5	0.2
20	Food and kindred products	0.4	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.7	0.3
21	Tobacco products	0.4	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	0.0	1.8	1.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.3	0.7	0.9
26	Paper and allied products	1.9	0.8	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.5	0.3
28	Chemicals and allied product	0.4	1.2	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.4
29	Petroleum and coal products	2.2	1.0	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.7	1.1	0.7
30	Rubber and plastics products	0.4	1.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	3.2	1.2	0.6
	Capital goods industries:												
	Nondefense	1.1	2.1	0.4	0.1	1.7	0.6	0.2	0.4	0.1	0.7	0.8	0.2
	Defense	1.2	1.2	0.9	8.9	11.9	3.9	0.3	0.7	0.2	1.1	1.1	0.3

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

NOTICE

Effective with the February 1987 Advance Report on Durable Goods to be issued on March 24, and the regular Manufacturers' Shipments, Inventories and Orders (M3) report to be issued on March 31, the following changes in the M3 survey will be implemented:

- Concurrent seasonal adjustment of the M3 data series will begin. Concurrent seasonal adjustment uses all available unadjusted estimates, including the current month, to calculate seasonal factors for generating the seasonally adjusted data series. Several industry categories will no longer be adjusted, due to lack of seasonal variation in the series. For these series, unadjusted data will be included in both the seasonally adjusted and unadjusted aggregates.

- Inventory data will be valued on a current cost (or pre-LIFO) basis. Currently, the inventory data are reported at book value using any generally accepted method of accounting (FIFO, LIFO, etc.).

- The household durable goods series will be eliminated from the advance report and several series will be eliminated from the regular report because they do not meet publication standards.

- Data for 3 months ago will be replaced by data for the current month 1 year ago.

- An annual report including data for 1982-1986 will be issued prior to the February advance report on durable goods. This report will contain revisions to the monthly data to reflect benchmarking to the 1982 Census of Manufactures and 1983-1985 Annual Surveys of Manufactures, corrections to monthly data for reports received too late for inclusion in the monthly publications, and updating of seasonal factors.

Any questions regarding this announcement can be answered by calling (301) 763-2502.

PUBLICATION DATES FOR THE 1987 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January	Tues., Feb. 24	Wed., Mar. 4
February	Tues., Mar. 24	Tues., Mar. 31
March	Wed., Apr. 22	Thurs., Apr. 30
April	Fri., May 22	Tues., June 2
May	Tues., June 23	Tues., June 30
June	Thurs., Jul. 23	Fri., Jul. 31
July	Tues., Aug. 25	Tues., Sept. 1
August	Wed., Sept. 23	Thurs., Oct. 1
September	Fri., Oct. 23	Mon., Nov. 2
October	Tues., Nov. 24	Thurs., Dec. 3
November	Tues., Dec. 22	Thurs., Dec. 31
December	Tues., Jan. 26, 1988	Wed., Feb. 3, 1988

C 3.158:
M3-1 (87)-1

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

January 1987

J.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(87)-1
For Wire Transmission 10:00 a.m. E.S.T. Wednesday, March 4, 1987

(All Figures in text are in seasonally adjusted current dollars)

NOTICE - Impending changes in the M3 survey, effective with the February 1987 advance report on durable goods, are outlined on page 8.

UMMARY. New orders for manufactured goods in January eclined $8.2 billion or 4.0 percent to $194.5 billion. his is the largest one month decrease since the 4.5 percent rop in May 1980.

hipments of manufactured goods declined $7.8 billion or 3.8 ercent to $196.7 billion. This is the largest one month ecline in shipments since a 5.1 percent drop in December 974.

nfilled orders held by manufacturers at the end of January ere $363.0 billion; down $2.2 billion or 0.6 percent from ecember. Unfilled orders have been generally declining ince reaching a high in March 1986 of $370.5 billion.

anufacturers' inventories in January increased $1.5 billion r 0.5 percent to $277.0 billion. This is only the second ncrease in inventories since July and the first to exceed .1 percent since June 1985. Most of the January increase as in finished goods. The inventory to shipments ratio in anuary was 1.41 percent. The ratio was steady at 1.41 ercent in September and October, at 1.40 in November, but ropped to 1.35 percent in December.

EW ORDERS. The new orders decline in January was oncentrated in the durable goods sector, which decreased 7.4 billion or 6.7 percent to $103.0 billion. Excluding a 0 percent increase in defense capital goods, new orders for urables dropped 9.1 percent, more than offsetting the 7.7 ercent increase in December. Within the major industry ategories, declines were widespread. Electrical machinery ad the largest decrease, down $1.6 billion or 19.8 percent o $14.7 billion, following a 9.5 percent increase in ecember. Primary metals dropped $1.9 billion or 17.7 ercent to $8.7 billion following a 12.1 percent increase in ecember. Transportation equipment declined $1.3 billion or .5 percent to $28.7 billion; a decrease in motor vehicles nd parts accounted for the drop.

ew orders for nondurables decreased $0.7 billion or 0.8 ercent to $91.5 billion, following a 1.7 percent increase n December.

SHIPMENTS. The decline in manufacturers' shipments was also concentrated in the durable goods sector, which was down $7.1 billion or 6.3 percent to $105.3 billion. About half of the decline was in transportation equipment, down $3.7 billion or 11.5 percent to $28.4 billion; both the aircraft and parts and motor vehicles and parts were down.

Shipments of nondurable goods decreased $0.8 billion or 0.8 percent to $91.3 billion, following a 1.7 percent increase in December. Tobacco manufactures were down $1.3 billion or 56.0 percent from December to $1.1 billion. The largest increase in nondurables was in chemicals, up $0.6 billion or 3.5 percent to $19.0 billion.

UNFILLED ORDERS. Unfilled orders which are virtually all held by durable goods manufacturers were down $0.6 billion in January. The largest declines were in machinery. Electrical machinery was down $1.5 billion or 1.8 percent to $82.7 billion with large decreases in electronic components and defense communication equipment. Nonelectrical machinery was down $1.0 billion or 1.8 percent to $52.3 billion; office and computing equipment had the largest decrease.

INVENTORIES. Inventories of durable goods manufacturers in January increased $1.1 billion or 0.6 percent to $184.9 billion; the largest increase was in aircraft and parts, with small increases in most of the other categories. Nondurable inventories increased $0.4 billion or 0.4 percent to $92.1 billion. All stages of fabrication of inventories were up; materials and supplies increased 0.3 percent, work in process was up 0.4 percent and finished goods were up 1.0 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for February is scheduled for release on March 24, 1987 at 8:30 a.m. and the full report on March 31, 1987 at 10:00 a.m.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
MAR 27 1987
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Manth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service-CENDATA™. The online version of the report can be read from a terminal screen, printed on- or off-line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334-2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Dec.- Jan.P	Nov.- Dec.r	Oct.- Nov.	Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	1987P	1986
	All manufacturing industries	196,661	204,490	197,222	196,202	-3.8	+3.7	+0.5	179,922	196,764	194,462	201,296	179,922	182,163
	Manufacturing industries with unfilled orders	107,047	114,139	110,697	110,360	-6.2	+3.1	+0.3	96,971	112,122	109,701	113,145	96,971	96,644
	Durable goods industries	105,328	112,403	106,669	107,443	-6.3	+5.4	+0.7	94,458	107,416	104,768	110,545	94,458	94,879
	With unfilled orders	83,540	90,245	87,680	87,215	-7.4	+2.9	+0.5	74,938	88,905	86,547	89,049	74,938	75,952
32	Stone, clay, and glass products	5,227	4,974	4,968	4,978	+5.1	+0.1	-0.2	4,426	4,334	4,872	5,277	4,426	4,409
322	Glass containers	430	451	450	450	-4.7	+0.2	0.0	390	383	416	459	390	383
33	Primary metals	9,162	9,551	9,500	9,770	-4.1	+0.5	-2.8	8,886	8,542	8,984	9,772	8,886	9,815
331	Blast furnaces, steel mills	3,781	3,774	3,678	3,890	+0.2	+2.6	-5.4	3,698	3,442	3,476	3,828	3,698	4,153
333-9	Nonferrous and other primary metals	4,284	4,612	4,608	4,673	-7.1	+0.1	-1.4	4,147	4,142	4,341	4,706	4,147	4,488
34	Fabricated metal products	13,818	14,052	14,036	14,397	-1.7	+0.1	-2.5	12,158	13,016	13,697	15,037	12,158	12,777
341	Metal cans, barrels, and drums	971	929	902	904	+4.5	+3.0	-0.2	823	771	766	859	823	785
35	Machinery, except electrical	15,764	17,504	16,800	16,750	-9.9	+4.2	+0.3	13,945	18,886	16,494	16,619	13,945	14,831
351	Engines and turbines	986	1,641	1,277	1,264	-39.9	+28.5	+1.0	973	1,662	1,173	1,176	973	1,062
352	Farm machinery and equipment	829	816	708	647	+1.6	+15.3	+9.4	743	717	622	736	743	832
353	Construction, mining, and material handling equipment	2,242	2,610	2,592	2,434	-14.1	+0.7	+6.5	2,004	2,623	2,579	2,478	2,004	2,727
354	Metalworking machinery	778	875	950	961	-11.1	-7.9	-1.1	699	893	907	1,031	699	739
356	General industrial machinery	1,424	1,204	1,446	1,510	+18.3	-16.7	-4.2	1,314	1,259	1,394	1,575	1,314	1,390
357	Office and computing machines	3,407	4,530	4,003	4,001	-24.8	+13.2	0.0	2,552	6,279	4,291	3,753	2,552	2,579
36	Electrical machinery	16,174	17,955	17,607	16,909	-9.9	+2.0	+4.1	14,831	17,845	17,614	17,240	14,831	13,614
361,2	Electrical transmission and distribution equipment and industrial apparatus	1,940	2,164	2,137	2,135	-10.4	+1.3	+0.1	1,804	2,217	2,071	2,068	1,804	1,867
363	Household appliances	1,654	1,499	1,635	1,667	+10.3	-8.3	-1.9	1,439	1,304	1,493	1,712	1,439	1,239
365	Radio and TV	1,220	1,169	1,196	1,213	+4.4	-2.3	-1.4	1,077	1,118	1,234	1,363	1,077	898
366	Communication equipment	5,060	6,227	6,084	5,467	-18.7	+2.4	+11.3	4,594	6,581	6,057	5,434	4,594	4,292
367	Electronic components	3,469	3,436	3,383	3,299	+1.0	+1.6	+2.5	3,247	3,220	3,390	3,279	3,247	2,902
37	Transportation equipment	28,422	32,102	27,607	28,334	-11.5	+16.3	-2.6	25,781	29,452	27,231	29,316	25,781	25,861
371	Motor vehicles and parts	19,029	20,671	17,216	17,720	-7.9	+20.1	-2.8	17,789	16,821	16,841	18,919	17,789	18,180
372,6	Aircraft, missiles, and parts	7,818	9,723	8,680	8,878	-19.6	+12.0	-2.2	6,533	10,935	8,828	8,740	6,533	6,346
3731,95	Shipbuilding and military tank vehicles	571	762	732	684	-25.1	+4.1	+7.0	509	858	727	681	509	595
38	Instruments and related products	4,669	4,821	4,725	4,823	-3.2	+2.0	-2.0	4,218	4,970	4,747	4,959	4,218	4,383
381-4	Scientific and engineering instruments	2,957	3,094	3,042	3,094	-4.4	+1.7	-1.7	2,800	3,258	2,954	3,094	2,800	2,978
386	Photographic goods	1,505	1,525	1,504	1,555	-1.3	+1.4	-3.3	1,251	1,551	1,618	1,675	1,251	1,243
24,25, 39	All other durable goods	12,092	11,444	11,426	11,482	+5.7	+0.2	-0.5	10,213	10,371	11,129	12,325	10,213	9,189
	Nondurable goods industries	91,333	92,087	90,553	88,759	-0.8	+1.7	+2.0	85,464	89,348	89,694	90,751	85,464	87,284
	With unfilled orders	23,507	23,894	23,017	23,145	-1.6	+3.8	-0.6	22,033	23,217	23,154	24,096	22,033	20,692
20	Food and kindred products	26,851	26,590	26,703	26,469	+1.0	-0.4	+0.9	24,646	26,403	26,506	27,172	24,646	23,672
201	Meat products	5,920	5,805	6,181	6,164	+2.0	-6.1	+0.3	5,689	5,915	6,138	6,398	5,689	5,309
208	Beverages	4,058	4,043	3,856	3,931	+0.4	+4.8	-1.9	3,384	3,517	3,617	3,982	3,384	3,449
207	Fats and oils	1,036	1,098	1,110	1,092	-5.6	-1.1	+1.6	1,063	1,107	1,150	1,090	1,063	1,084
203-6,9	All other foods	12,188	12,107	12,084	11,900	+0.7	+0.2	+1.5	11,091	12,458	12,132	12,340	11,091	10,775
21	Tobacco products	1,058	2,403	2,038	1,486	-56.0	+17.9	+37.1	962	2,581	2,052	1,508	962	990
22	Textile mill products	4,546	4,674	4,692	4,793	-2.7	-0.4	-2.1	3,945	4,381	4,565	5,002	3,945	3,959
26	Paper and allied products	9,762	9,884	9,489	9,397	-1.2	+4.2	+1.0	9,465	9,254	9,138	9,479	9,465	8,422
261-3,6	Pulp, paper etc.	4,359	4,398	3,998	4,086	-0.9	+10.0	-2.2	4,135	4,135	3,945	4,050	4,135	3,497
265	Paperboard containers	1,896	1,949	1,837	1,790	-2.7	+6.1	+2.6	1,811	1,752	1,786	1,896	1,811	1,767
264	All other paper products	3,507	3,537	3,054	3,521	-0.8	-3.2	+3.8	3,519	3,367	3,407	3,533	3,519	3,158
28	Chemicals and allied products	18,959	18,313	17,854	17,903	+3.5	+2.6	-0.3	18,057	17,820	16,842	17,161	18,057	17,496
281,6	Industrial chemicals, except pigments	6,108	5,998	6,050	5,952	+1.8	-0.9	+1.6	5,766	5,854	5,778	5,684	5,766	5,627
283,4	Drugs, soaps, and toiletries	5,397	5,248	5,152	5,239	+2.8	+1.9	-1.7	5,143	5,379	4,961	5,155	5,143	5,065
29	Petroleum and coal products	11,263	10,990	10,986	10,203	+2.5	0.0	+7.7	11,128	11,129	10,997	10,306	11,128	15,578
30	Rubber and plastics products	4,127	4,083	4,087	3,995	+1.1	+0.1	+2.3	3,805	3,634	3,975	4,257	3,805	3,731
23,27, 31	All other nondurable goods	14,767	15,150	14,704	14,513	-2.5	+3.0	+1.3	13,456	14,146	15,619	15,866	13,456	13,436
	Market categories:													
	Home goods and apparel	13,752	14,004	13,865	13,461	-1.8	+1.0	+3.0	11,758	11,854	14,194	14,952	11,758	11,523
	Consumer staples	37,678	38,460	37,989	37,419	-2.0	+1.2	+1.5	34,606	38,690	38,053	38,379	34,606	33,199
	Equipment and defense products, except automotive	28,408	32,342	30,870	30,486	-12.2	+4.8	+1.3	24,834	35,651	30,680	30,333	24,834	25,218
	Automotive equipment	21,158	22,616	19,266	19,861	-6.4	+17.4	-3.0	19,656	18,413	18,626	21,084	19,656	19,938
	Construction materials, supplies and intermediate products	18,968	17,776	18,228	18,623	+6.7	-2.5	-2.1	15,834	16,334	17,679	19,501	15,834	15,155
	Other materials, supplies, and intermediate products	76,697	79,292	77,004	76,352	-3.3	+3.0	+0.9	73,234	75,822	75,230	77,047	73,234	77,130
	Supplementary series:[2]													
	Capital goods industries	32,419	38,395	36,320	35,730	-15.6	+5.7	+1.7	28,564	41,823	36,413	35,551	28,564	28,488
	Nondefense	24,998	29,211	27,628	27,722	-14.4	+5.7	-0.3	22,014	31,909	27,674	27,506	22,014	22,271
	Defense	7,421	9,184	8,692	8,008	-19.2	+5.7	+8.5	6,550	9,914	8,739	8,045	6,550	6,217
	Household durable goods industries	7,333	7,307	7,209	7,133	+0.4	+1.4	+1.1	6,228	6,544	7,203	7,854	6,228	5,699

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1987p	Dec. 1986r	Nov. 1986	Oct. 1986	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1987p	Dec. 1986r	Nov. 1986	Oct. 1986	1987p	1986
	All manufacturing industries	194,457	202,612	199,454	192,502	-4.0	+1.6	+3.6	181,673	199,084	194,988	199,388	181,673	188,488
	Manufacturing industries with unfilled orders	104,843	112,261	112,929	106,660	-6.6	-0.6	+5.9	98,722	114,442	110,227	111,237	98,722	102,969
	Durable goods industries	102,965	110,413	108,826	103,569	-6.7	+1.5	+5.1	95,715	109,588	105,407	108,623	95,715	101,034
	With unfilled orders	81,177	88,255	89,837	83,341	-8.0	-1.8	+7.8	76,195	91,077	87,186	87,127	76,195	82,107
32	Stone, clay, and glass products	5,187	4,934	4,960	4,958	+5.1	-0.5	0.0	4,452	4,272	4,844	5,200	4,452	4,486
33	Primary metals	8,707	10,584	9,441	9,713	-17.7	+12.1	-2.8	9,392	9,841	9,011	9,516	9,392	11,243
331	Blast furnaces, steel mills	3,440	4,469	3,738	3,677	-23.0	+19.6	+1.7	3,885	4,332	3,599	3,561	3,885	4,622
333-9	Nonferrous and other primary metals	4,116	4,928	4,669	4,651	-16.5	+5.5	+0.4	4,301	4,498	4,399	4,499	4,301	5,209
34	Fabricated metal products	13,713	14,413	14,300	14,217	-4.9	+0.8	+0.6	12,137	13,421	13,687	14,524	12,137	12,720
35	Machinery, except electrical	14,790	15,747	16,951	15,231	-6.1	-7.1	+11.3	13,591	17,134	16,596	15,819	13,591	14,310
351	Engines and turbines	812	645	1,193	727	+25.9	-45.9	+64.1	606	506	970	1,128	606	1,051
353	Construction, mining, and material handling equipment	2,061	2,648	2,680	2,375	-22.2	-1.2	+12.8	1,911	2,646	2,680	2,415	1,911	2,694
354	Metalworking machinery	841	744	881	796	+13.0	-15.6	+10.7	748	700	834	882	748	749
356	General industrial machinery	1,525	1,261	1,476	1,473	+20.9	-14.6	+0.2	1,499	1,269	1,416	1,567	1,499	1,389
357	Office and computing machines	2,396	3,739	4,159	3,537	-35.9	-10.1	+17.6	1,872	5,781	4,479	3,338	1,872	1,764
36	Electrical machinery	14,689	18,321	16,739	17,083	-19.8	+9.5	-2.0	14,047	18,706	16,050	17,301	14,047	14,824
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,027	2,091	2,017	2,198	-3.1	+3.7	-8.2	1,884	2,123	1,937	2,129	1,884	2,013
363	Household appliances	1,588	1,439	1,607	1,667	+10.4	-10.5	-3.6	1,418	1,263	1,460	1,652	1,418	1,332
365	Radio and TV	1,223	1,017	1,205	1,410	+20.3	-15.6	-14.5	1,067	1,038	1,185	1,351	1,067	847
366	Communication equipment	4,617	6,049	5,540	5,709	-23.7	+9.2	-3.0	4,592	6,971	5,122	5,801	4,592	5,527
367	Electronic components	2,415	4,361	3,164	3,006	-44.6	+37.8	+5.3	2,400	4,029	2,967	3,020	2,400	2,738
37	Transportation equipment	28,706	30,055	30,247	26,115	-4.5	-0.6	+15.8	27,052	31,123	29,625	29,317	27,052	29,332
372,6	Aircraft, missiles, and parts	8,645	8,439	12,518	6,783	+2.4	-32.6	+84.5	7,981	13,055	11,742	8,724	7,981	10,249
731,95	Shipbuilding and military tank vehicles	65	304	-348	317	-78.6	(n)	-209.8	196	490	362	347	196	-24
38	Instruments and related products	4,813	4,744	4,601	4,843	+1.5	+3.1	-5.0	4,448	4,877	4,573	4,901	4,448	4,549
24,25, 39	All other durable goods	12,360	11,615	11,587	11,409	+6.4	+0.2	+1.6	10,596	10,214	11,021	12,045	10,596	9,570
	Nondurable goods industries	91,492	92,199	90,628	88,933	-0.8	+1.7	+1.9	85,958	89,496	89,581	90,765	85,958	87,454
	With unfilled orders	23,666	24,006	23,092	23,319	-1.4	+4.0	-1.0	22,527	23,365	23,041	24,110	22,527	20,862
	Market categories:													
	Home goods and apparel	14,144	13,779	13,915	13,624	+2.6	-1.0	+2.1	12,212	11,541	13,953	14,648	12,212	12,028
	Consumer staples	37,612	38,502	38,033	37,420	-2.3	+1.2	+1.6	34,633	38,731	38,061	38,363	34,633	33,252
	Equipment and defense products, except automotive	27,117	30,433	32,480	26,930	-10.9	-6.3	+20.6	25,746	36,743	32,007	29,552	25,746	28,446
	Automotive equipment	21,136	22,371	19,209	20,091	-5.5	+16.5	-4.4	19,788	18,408	18,521	21,428	19,788	20,124
	Construction materials, supplies and intermediate products	18,843	18,121	18,189	18,476	+4.0	-0.4	-1.6	15,751	16,490	17,545	19,148	15,751	15,244
	Other materials, supplies, and intermediate products	75,605	79,406	77,628	75,961	-4.8	+2.3	+2.2	73,543	77,171	74,901	76,249	73,543	79,394
	Supplementary series:[2]													
	Capital goods industries	31,497	34,429	38,798	31,913	-8.5	-11.3	+21.6	29,494	41,959	38,029	34,680	29,494	32,595
	Nondefense	24,944	30,053	28,442	26,912	-17.0	+5.7	+5.7	23,568	32,021	28,029	28,120	23,568	22,777
	Defense	6,553	4,376	10,356	5,001	+49.7	-57.7	+107.1	5,926	9,938	10,000	6,560	5,926	9,818
	Household durable goods industries	7,664	7,171	7,330	7,333	+6.9	-2.2	0.0	6,625	6,323	7,024	7,603	6,625	6,155

[p]Preliminary. [r]Revised. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. Using absolute values the percent increase in new orders for shipbuilding and military tank vehicles in December was 186.0 percent.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Jan. 1986
	All manufacturing industries..	363,047	365,251	367,129	364,897	-0.6	-0.5	+0.6	364,598	362,847	360,527	360,001	367,685
	Durable goods industries.....	351,429	353,792	355,782	353,625	-0.7	-0.6	+0.6	352,984	351,727	349,555	348,916	357,046
32	Stone, clay, and glass products...	2,586	2,626	2,666	2,674	-1.5	-1.5	-0.3	2,521	2,495	2,557	2,585	2,710
33	Primary metals.....	19,890	20,345	19,312	19,371	-2.2	+5.3	-0.3	20,237	19,731	18,432	18,405	20,558
331	Blast furnaces, steel mills.....	9,770	10,111	9,416	9,356	-3.4	+7.4	+0.6	9,985	9,798	8,908	8,785	9,375
333-9	Nonferrous and other primary metals.....	6,164	6,332	6,016	5,955	-2.7	+5.3	+1.0	6,201	6,047	5,691	5,633	7,467
34	Fabricated metal products.....	19,300	19,405	19,044	18,780	-0.5	+1.9	+1.4	18,942	18,963	18,558	18,568	19,900
35	Machinery, except electrical.....	52,285	53,259	55,016	54,865	-1.8	-3.2	+0.3	52,583	52,937	54,689	54,587	58,532
351	Engines and turbines.....	13,027	13,201	14,197	14,281	-1.3	-7.0	-0.6	12,941	13,308	14,464	14,667	15,016
353	Construction, mining, and material handling equipment....	4,718	4,899	4,861	4,773	-3.7	+0.8	+1.8	4,742	4,835	4,812	4,711	6,284
354	Metalworking machinery.....	3,407	3,344	3,475	3,544	+1.9	-3.8	-1.9	3,373	3,324	3,517	3,590	3,888
356	General industrial machinery....	4,319	4,218	4,161	4,131	+2.4	+1.4	+0.7	4,323	4,138	4,128	4,106	4,242
357	Office and computing machines...	16,133	17,144	17,935	17,779	-5.9	-4.4	+0.9	16,327	17,007	17,505	17,317	18,075
36	Electrical machinery.....	82,714	84,199	83,833	84,701	-1.8	+0.4	-1.0	82,558	83,342	82,481	84,045	82,651
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,513	5,426	5,499	5,619	+1.6	-1.3	-2.1	5,445	5,365	5,459	5,593	5,887
363	Household appliances.....	249	315	375	403	-21.0	-16.0	-6.9	252	273	314	347	405
365	Radio and TV.....	421	418	570	561	+0.7	-26.7	+1.6	356	366	446	495	387
366	Communication equipment.....	60,420	60,863	61,041	61,585	-0.7	-0.3	-0.9	60,668	60,670	60,280	61,215	58,768
367	Electronic components.....	14,571	15,625	14,700	14,919	-6.7	+6.3	-1.5	14,309	15,156	14,347	14,770	15,806
37	Transportation equipment.....	159,964	159,680	161,727	159,087	+0.2	-1.3	+1.7	162,039	160,768	159,097	156,703	158,646
372,6	Aircraft, missiles, and parts...	138,163	137,336	138,620	134,782	+0.6	-0.9	+2.8	139,555	138,107	135,987	133,073	135,435
3731,95	Shipbuilding and military tank vehicles.....	16,358	16,864	17,322	18,403	-3.0	-2.6	-5.9	16,718	17,031	17,399	17,764	16,968
38	Instruments and related products..	8,574	8,430	8,507	8,631	+1.7	-0.9	-1.4	8,529	8,299	8,392	8,566	8,770
24,25, 39	All other durable goods.....	6,116	5,848	5,677	5,516	+4.6	+3.0	+2.9	5,575	5,192	5,349	5,457	5,279
	Nondurable goods industries.....	11,618	11,459	11,347	11,272	+1.4	+1.0	+0.7	11,614	11,120	10,972	11,085	10,639
	Market categories:												
	Home goods and apparel.....	4,762	4,370	4,595	4,545	+9.0	-4.9	+1.1	4,201	3,747	4,060	4,301	4,123
	Consumer staples.....	704	770	728	684	-8.6	+5.8	+6.4	779	752	711	703	786
	Equipment and defense products, except automotive.....	227,994	229,285	231,194	229,584	-0.6	-0.8	+0.7	230,305	229,393	228,301	226,974	231,488
	Automotive equipment.....	5,145	5,167	5,412	5,469	-0.4	-4.5	-1.0	5,469	5,337	5,342	5,447	5,740
	Construction materials, supplies and intermediate products.....	11,797	11,922	11,577	11,616	-1.0	+3.0	-0.3	11,415	11,498	11,342	11,476	12,065
	Other materials, supplies, and intermediate products.....	112,645	113,737	113,623	112,999	-1.0	+0.1	+0.6	112,429	112,120	110,771	111,100	113,483
	Supplementary series:[2]												
	Capital goods industries.....	276,669	277,591	281,557	279,079	-0.3	-1.4	+0.9	278,809	277,879	277,743	276,127	279,647
	Nondefense.....	132,574	132,628	131,786	130,972	0.0	+0.6	+0.6	133,066	131,512	131,400	131,045	133,208
	Defense.....	144,095	144,963	149,771	148,107	-0.6	-3.2	+1.1	145,743	146,367	146,343	145,082	146,439
	Household durable goods industries.....	4,344	4,013	4,149	4,028	+8.2	-3.3	+3.0	3,802	3,405	3,626	3,805	3,636

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]				
		End of month				Percent change			End of month				
		Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Jan. 1986
	All manufacturing industries..	277,020	275,533	276,416	276,007	+0.5	+0.3	+0.1	275,641	271,606	275,187	275,619	279,029
	Manufacturing industries with unfilled orders.....	193,022	191,844	193,402	193,858	+0.6	-0.8	+0.2	190,972	188,400	191,827	193,175	194,082
	Durable goods industries.....	184,894	183,800	185,496	185,358	+0.6	-0.9	+0.1	183,317	180,682	183,994	184,747	186,961
	With unfilled orders.....	169,229	168,198	169,764	170,325	+0.6	-0.9	-0.3	167,539	165,372	168,640	170,028	171,220
32	Stone, clay, and glass products...	5,602	5,559	5,581	5,480	+0.8	-0.4	+1.8	5,541	5,466	5,400	5,306	5,559
322	Glass containers.....	705	692	672	652	+1.9	+3.0	+3.1	685	671	665	645	636
33	Primary metals.....	15,426	15,869	15,510	15,514	-2.8	+2.3	0.0	15,472	15,631	15,477	15,465	17,379
331	Blast furnaces, steel mills.....	6,104	6,347	6,349	6,272	-3.8	0.0	+1.2	6,183	6,372	6,444	6,341	7,602
333-9	Nonferrous and other primary metals.....	8,136	8,343	8,021	8,079	-2.5	+4.0	-0.7	8,120	8,109	7,909	7,974	8,522
34	Fabricated metal products.....	18,540	18,565	18,616	18,533	-0.1	-0.3	+0.4	18,393	18,096	18,034	18,181	18,994
341	Metal cans, barrels, and drums..	2,354	2,369	2,500	2,393	-0.6	-5.2	+4.5	2,370	2,149	2,115	2,027	2,277
35	Machinery, except electrical.....	36,020	35,910	36,697	36,690	+0.3	-2.1	0.0	35,757	35,404	36,518	36,595	39,132
351	Engines and turbines.....	1,905	1,861	1,964	1,945	+2.4	-5.2	+1.0	1,914	1,861	1,964	1,950	1,853
352	Farm machinery and equipment....	1,697	1,730	1,717	1,704	-1.9	+0.8	+0.8	1,700	1,678	1,641	1,622	1,845
353	Construction, mining, and material handling equipment....	5,628	5,593	5,746	5,846	+0.6	-2.7	-1.7	5,583	5,504	5,717	5,805	6,222
354	Metalworking machinery.....	2,835	2,771	2,784	2,745	+2.3	-0.5	+1.4	2,809	2,727	2,792	2,756	2,792
356	General industrial machinery....	3,044	3,134	3,195	3,202	-2.9	-1.9	-0.2	3,059	3,112	3,166	3,160	3,500
357	Office and computing machines...	9,847	9,836	10,195	10,300	+0.1	-3.5	-1.0	9,650	9,698	10,164	10,393	11,850
36	Electrical machinery.....	34,116	33,883	34,173	34,361	+0.7	-0.8	+0.5	33,572	33,270	33,851	34,274	33,088
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,171	3,993	4,104	4,075	+4.5	-2.7	+0.7	4,091	3,936	4,108	4,118	4,208
363	Household appliances.....	2,376	2,354	2,395	2,397	+0.9	-1.7	-0.1	2,343	2,229	2,232	2,282	2,223
365	Radio and TV.....	1,626	1,628	1,600	1,621	-0.1	+1.8	-1.3	1,543	1,579	1,584	1,602	1,262
366	Communication equipment.....	14,963	15,005	15,061	15,084	-0.3	-0.4	-0.2	14,820	14,799	15,005	15,142	14,577
367	Electronic components.....	6,078	5,979	5,935	6,041	+1.7	+0.7	-1.8	5,981	5,985	5,905	6,023	5,940
37	Transportation equipment.....	50,423	49,385	50,645	50,702	+2.1	-2.5	-0.1	50,004	48,689	50,777	51,004	48,850
371	Motor vehicles and parts.....	10,830	10,968	11,008	10,645	-1.3	-0.4	+3.4	10,985	10,860	11,118	10,877	11,463
372,6	Aircraft, missiles, and parts...	36,263	35,224	36,249	36,657	+2.9	-2.8	-1.1	35,621	34,531	36,212	36,725	34,145
3731,95	Shipbuilding and military tank vehicles.....	1,768	1,687	1,825	1,781	+4.8	-7.6	+2.5	1,770	1,695	1,818	1,791	1,507
38	Instruments and related products..	9,549	9,516	9,702	9,704	+0.3	-1.9	0.0	9,416	9,299	9,609	9,620	9,480
381-4	Scientific and engineering instruments.....	6,631	6,728	6,877	6,843	-1.4	-2.2	+0.5	6,558	6,600	6,843	6,781	6,724
386	Photographic goods.....	2,296	2,181	2,204	2,239	+5.3	-1.0	-1.6	2,234	2,094	2,169	2,237	2,157
24,25, 39	All other durable goods.....	15,218	15,113	14,572	14,374	+0.7	+3.7	+1.4	15,162	14,827	14,328	14,302	14,479
	Nondurable goods industries.....	92,126	91,733	90,920	90,649	+0.4	+0.9	+0.3	92,324	90,924	91,193	90,872	92,068
	With unfilled orders.....	23,793	23,646	23,638	23,533	+0.6	0.0	+0.4	23,433	23,028	23,187	23,147	22,862
20	Food and kindred products.....	21,309	21,239	21,122	21,205	+0.3	+0.6	-0.4	21,878	21,669	22,333	22,314	21,519
201	Meat products.....	2,202	2,205	2,220	2,254	-0.1	-0.7	-1.5	2,231	2,119	2,280	2,227	2,323
208	Beverages.....	3,368	3,418	3,433	3,385	-1.5	-0.4	+1.4	3,429	3,418	3,361	3,344	3,446
207	Fats and oils.....	1,000	958	957	1,060	+4.4	+0.1	-9.7	1,136	1,114	1,163	1,083	1,254
203-6,9	All other foods.....	12,845	12,772	12,621	12,667	+0.6	+1.2	-0.4	13,192	13,206	13,706	13,832	12,816
21	Tobacco products.....	3,191	3,108	3,053	3,034	+2.7	+1.8	+0.6	3,398	3,270	3,105	3,083	3,478
22	Textile mill products.....	6,283	6,250	6,252	6,310	+0.5	0.0	-0.9	6,287	6,100	6,098	6,100	6,482
26	Paper and allied products.....	10,249	10,250	10,040	9,962	0.0	+2.1	+0.8	10,119	10,117	10,010	9,841	9,682
261-3,6	Pulp, paper etc.....	4,147	4,078	3,993	3,917	+1.7	+2.1	+1.9	4,098	4,067	3,993	3,897	3,893
265	Paperboard containers.....	2,587	2,463	2,375	2,392	+5.0	+3.7	-0.7	2,546	2,443	2,354	2,347	2,340
264	All other paper products.....	3,515	3,709	3,672	3,653	-5.2	+1.0	+0.5	3,475	3,607	3,663	3,597	3,449
28	Chemicals and allied products.....	22,935	22,943	22,398	22,297	0.0	+2.4	+0.5	22,986	22,804	22,346	22,063	21,609
281,6	Industrial chemicals, except pigments.....	6,993	7,083	6,778	6,727	-1.3	+4.5	+0.8	7,028	6,984	6,758	6,680	6,619
283,4	Drugs, soaps, and toiletries.....	7,522	7,385	7,351	7,368	+1.9	+0.5	-0.2	7,409	7,237	7,366	7,280	6,753
29	Petroleum and coal products.....	5,629	5,538	5,493	5,512	+1.6	+0.8	-0.3	5,612	5,431	5,721	5,652	7,304
30	Rubber and plastics products.....	6,258	6,364	6,281	6,150	-1.7	+1.3	+2.1	6,182	6,258	6,107	6,028	6,307
23,27, 31	All other nondurable goods.....	16,272	16,041	16,281	16,179	+1.4	-1.5	+0.6	15,662	15,275	15,473	15,791	15,687
	Market categories:												
	Home goods and apparel.....	22,786	22,591	22,524	22,359	+0.9	+0.3	+0.7	22,408	21,745	21,491	21,749	21,611
	Consumer staples.....	34,900	34,549	34,366	34,317	+1.0	+0.5	+0.2	35,347	34,705	35,296	35,300	34,098
	Equipment and defense products, except automotive.....	81,247	80,349	82,464	82,723	+1.1	-2.6	-0.3	80,515	79,345	82,091	82,668	83,352
	Automotive equipment.....	12,907	13,015	13,114	12,762	-0.8	-0.8	+2.8	13,133	12,977	13,222	12,918	13,795
	Construction materials, supplies and intermediate products.....	18,854	18,776	18,482	18,178	+0.4	+1.6	+1.7	18,683	18,476	18,125	18,005	18,773
	Other materials, supplies, and intermediate products.....	106,326	106,253	105,446	105,668	+0.1	+0.8	-0.2	105,555	104,358	104,962	104,979	107,400
	Supplementary series:[2]												
	Capital goods industries.....	95,645	94,231	96,585	97,135	+1.5	-2.4	-0.6	94,405	92,581	96,275	97,203	95,840
	Nondefense.....	66,951	66,078	67,560	67,914	+1.3	-2.2	-0.5	66,289	64,897	67,724	68,266	69,623
	Defense.....	28,694	28,153	29,025	29,221	+1.9	-3.0	-0.7	28,116	27,684	28,551	28,937	26,217
	Household durable goods industries.....	11,896	11,823	11,695	11,591	+0.6	+1.1	+0.9	11,705	11,457	11,272	11,353	10,765

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Percent change: Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Not seasonally adjusted[1]: End of month: Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Jan. 1986
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	87,134	86,889	85,904	86,141	+0.3	+1.1	-0.3	87,626	87,109	85,528	85,656	88,323
	Durable goods industries.....	51,275	51,095	50,606	50,561	+0.4	+1.0	+0.1	51,261	50,970	50,541	50,615	52,324
32	Stone, clay, and glass products...	1,687	1,687	1,694	1,710	0.0	-0.4	-0.9	1,685	1,699	1,679	1,706	1,752
33	Primary metals.....	4,526	4,583	4,537	4,557	-1.2	+1.0	-0.4	4,610	4,717	4,655	4,631	5,078
34	Fabricated metal products.....	6,784	6,759	6,802	6,744	+0.4	-0.6	+0.9	6,804	6,708	6,638	6,652	7,286
35	Machinery, except electrical.....	10,458	10,396	10,346	10,345	+0.6	+0.5	0.0	10,463	10,332	10,318	10,311	10,843
36	Electrical Machinery.....	7,744	7,690	7,700	7,697	+0.7	-0.1	0.0	7,724	7,621	7,573	7,636	7,721
37	Transportation equipment.....	11,721	11,716	11,591	11,536	0.0	+1.1	+0.5	11,598	11,585	11,621	11,522	11,446
38	Instruments and related products..	2,636	2,633	2,646	2,627	+0.1	-0.5	+0.7	2,633	2,616	2,630	2,635	2,643
24,25, 39	All other durable goods.....	5,719	5,631	5,290	5,345	+1.6	+6.4	-1.0	5,744	5,692	5,427	5,522	5,555
	Nondurable goods industries.....	35,859	35,794	35,298	35,580	+0.2	+1.4	-0.8	36,365	36,139	34,987	35,041	35,999
20	Food and kindred products.....	7,882	7,906	7,870	7,986	-0.3	+0.5	-1.5	8,246	8,158	8,134	8,019	7,780
21	Tobacco products.....	2,796	2,575	2,425	2,408	+8.6	+6.1	+0.7	3,020	2,781	2,357	2,281	2,976
22	Textile mill products.....	1,862	1,903	1,858	1,918	-2.2	+2.4	-3.1	1,869	1,877	1,793	1,805	2,057
26	Paper and allied products.....	5,051	5,035	4,984	4,921	+0.3	+1.0	+1.3	5,014	5,088	4,961	4,902	4,784
28	Chemicals and allied products.....	8,364	8,439	8,354	8,519	-0.9	+1.0	-1.9	8,421	8,410	8,190	8,349	8,007
29	Petroleum and coal products.....	1,469	1,708	1,621	1,652	-14.0	+5.4	-1.9	1,459	1,636	1,607	1,646	2,062
30	Rubber and plastics products.....	2,243	2,267	2,229	2,215	-1.1	+1.7	+0.6	2,237	2,343	2,196	2,210	2,255
23,27, 31	All other nondurable goods.....	6,192	5,961	5,956	5,961	+3.9	+0.1	-0.1	6,099	5,846	5,749	5,829	6,078
	WORK IN PROCESS												
	All manufacturing industries..	102,767	102,353	103,772	104,412	+0.4	-1.4	-0.6	101,774	100,121	103,455	104,803	103,653
	Durable goods industries.....	88,680	88,260	89,778	90,507	+0.5	-1.7	-0.8	87,864	86,461	89,442	90,769	89,679
32	Stone, clay, and glass products...	726	728	755	713	-0.3	-3.6	+5.9	719	702	714	681	776
33	Primary metals.....	6,518	6,827	6,630	6,593	-4.5	+3.0	+0.6	6,588	6,586	6,562	6,561	7,087
34	Fabricated metal products.....	6,839	6,901	6,920	6,826	-0.9	-0.3	+1.4	6,682	6,559	6,664	6,753	6,767
35	Machinery, except electrical.....	13,758	14,058	14,496	14,639	-2.1	-3.0	-1.0	13,697	13,859	14,543	14,768	16,204
36	Electrical Machinery.....	20,151	19,959	20,254	20,456	+1.0	-1.5	-1.0	19,836	19,601	20,205	20,498	19,425
37	Transportation equipment.....	33,432	32,544	33,404	33,963	+2.7	-2.6	-1.6	33,149	32,051	33,491	34,260	32,188
38	Instruments and related products..	3,862	3,862	4,022	4,045	0.0	-4.0	-0.6	3,794	3,767	3,999	4,013	3,974
24,25, 39	All other durable goods.....	3,394	3,381	3,297	3,272	+0.4	+2.5	+0.8	3,399	3,336	3,264	3,235	3,258
	Nondurable goods industries.....	14,087	14,093	13,994	13,905	0.0	+0.7	+0.6	13,910	13,660	14,013	14,034	13,974
20	Food and kindred products.....	1,552	1,547	1,645	1,670	+0.3	-6.0	-1.5	1,599	1,596	1,661	1,652	1,689
21	Tobacco products.....	111	327	304	297	-66.1	+7.6	+2.4	99	304	421	476	196
22	Textile mill products.....	1,976	1,864	1,925	1,892	+6.0	-3.2	+1.7	1,995	1,846	1,910	1,884	1,846
26	Paper and allied products.....	1,227	1,223	1,209	1,186	+0.3	+1.2	+1.9	1,199	1,167	1,201	1,188	1,118
28	Chemicals and allied products.....	3,599	3,453	3,445	3,479	+4.2	+0.2	-1.0	3,530	3,348	3,446	3,476	3,473
29	Petroleum and coal products.....	703	759	746	769	-7.4	+1.7	-3.0	675	718	744	751	1,043
30	Rubber and plastics products.....	1,248	1,316	1,264	1,194	-5.2	+4.1	+5.9	1,237	1,288	1,270	1,201	1,226
23,27, 31	All other nondurable goods.....	3,671	3,604	3,456	3,418	+1.9	+4.3	+1.1	3,576	3,393	3,360	3,406	3,383
	FINISHED GOODS												
	All manufacturing industries..	87,119	86,291	86,740	85,454	+1.0	-0.5	+1.5	86,241	84,376	86,204	85,160	87,053
	Durable goods industries.....	44,939	44,445	45,112	44,290	+1.1	-1.5	+1.9	44,192	43,251	44,011	43,363	44,958
32	Stone, clay, and glass products...	3,189	3,144	3,132	3,057	+1.4	+0.4	+2.5	3,137	3,065	3,007	2,919	3,031
33	Primary metals.....	4,382	4,459	4,343	4,364	-1.7	+2.7	-0.5	4,274	4,328	4,260	4,273	5,214
34	Fabricated metal products.....	4,917	4,905	4,894	4,963	+0.2	+0.2	-1.4	4,907	4,829	4,732	4,776	4,941
35	Machinery, except electrical.....	11,804	11,456	11,855	11,706	+3.0	-3.4	+1.3	11,597	11,213	11,657	11,516	12,085
36	Electrical Machinery.....	6,221	6,234	6,219	6,208	-0.2	+0.2	+0.2	6,012	6,048	6,073	6,140	5,942
37	Transportation equipment.....	5,270	5,125	5,650	5,203	+2.8	-9.3	+8.6	5,257	5,053	5,665	5,222	5,216
38	Instruments and related products..	3,051	3,021	3,034	3,032	+1.0	-0.4	+0.1	2,989	2,916	2,980	2,972	2,863
24,25, 39	All other durable goods.....	6,105	6,101	5,985	5,757	+0.1	+1.9	+4.0	6,019	5,799	5,637	5,545	5,666
	Nondurable goods industries.....	42,180	41,846	41,628	41,164	+0.8	+0.5	+1.1	42,049	41,125	42,193	41,797	42,095
20	Food and kindred products.....	11,875	11,786	11,607	11,549	+0.8	+1.5	+0.5	12,033	11,915	12,538	12,643	12,050
21	Tobacco products.....	284	206	323	329	+37.9	-36.2	-1.8	279	185	327	326	306
22	Textile mill products.....	2,445	2,483	2,469	2,500	-1.5	+0.6	-1.2	2,423	2,377	2,395	2,411	2,579
26	Paper and allied products.....	3,971	3,992	3,847	3,855	-0.5	+3.8	-0.2	3,906	3,862	3,848	3,751	3,780
28	Chemicals and allied products.....	10,972	11,051	10,599	10,299	-0.7	+4.3	+2.9	11,035	11,046	10,710	10,238	10,129
29	Petroleum and coal products.....	3,457	3,071	3,126	3,091	+12.6	-1.8	+1.1	3,478	3,077	3,370	3,255	4,199
30	Rubber and plastics products.....	2,767	2,781	2,788	2,741	-0.5	-0.3	+1.7	2,708	2,627	2,641	2,617	2,826
23,27, 31	All other nondurable goods.....	6,409	6,476	6,869	6,800	-1.0	-5.7	+1.0	6,187	6,036	6,364	6,556	6,226

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986	Jan. 1987P	Dec. 1986r	Nov. 1986	Oct. 1986
	All manufacturing industries	1.41	1.35	1.40	1.41	3.39	3.20	3.32	3.31
	Durable goods industries	1.76	1.64	1.74	1.73	4.21	3.92	4.06	4.05
32	Stone, clay, and glass products	1.07	1.12	1.12	1.10	0.54	0.58	0.59	0.59
33	Primary metals	1.68	1.66	1.63	1.59	2.17	2.13	2.03	1.98
34	Fabricated metal products	1.34	1.32	1.33	1.29	1.50	1.48	1.45	1.39
35	Machinery, except electrical	2.28	2.05	2.18	2.19	3.50	3.19	3.42	3.41
36	Electrical machinery	2.11	1.89	1.94	2.03	5.11	4.69	4.76	5.01
37	Transportation equipment	1.77	1.54	1.83	1.79	10.69	9.07	9.93	10.08
38	Instruments and related products	2.05	1.97	2.05	2.01	1.84	1.75	1.80	1.79
	Nondurable goods industries	1.01	1.00	1.00	1.02	0.49	0.48	0.49	0.49
20	Food and kindred products	0.79	0.80	0.79	0.80	(X)	(X)	(X)	(X)
21	Tobacco products	3.02	1.29	1.50	2.04	(X)	(X)	(X)	(X)
22	Textile mill products	1.38	1.34	1.33	1.32	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.05	1.04	1.06	1.06	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.21	1.25	1.25	1.25	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.50	0.50	0.50	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.52	1.56	1.54	1.54	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1986	All Jans. 1982-1986	Jan. 1986-Dec. 1986	Year ago Jan. 1986	All Jans. 1982-1986	Jan. 1986-Dec. 1986	Year ago Jan. 1986	All Jans. 1982-1986	Jan. 1986-Dec. 1986	Year ago Jan. 1986	All Jans. 1982-1986	Jan. 1986-Dec. 1986
	All manufacturing industries	0.0	0.4	0.3	0.4	0.6	0.3	0.0	0.2	0.1	0.1	0.1	0.1
	Durable goods industries	0.4	0.6	0.4	0.7	0.8	0.6	0.1	0.2	0.1	0.0	0.1	0.1
32	Stone, clay, and glass products	2.1	1.7	1.3	2.5	1.6	1.5	0.7	1.2	0.8	0.3	1.0	0.3
33	Primary metals	1.1	0.8	0.5	1.3	1.2	0.4	1.3	0.6	0.3	0.0	0.1	0.3
34	Fabricated metal products	1.2	1.5	1.0	1.2	1.7	1.1	0.1	0.4	0.4	0.2	0.2	0.3
35	Machinery, except electrical	1.8	1.5	0.6	2.1	1.4	1.2	0.1	0.3	0.2	0.1	0.1	0.2
36	Electrical machinery	0.6	1.9	0.3	4.1	2.0	0.8	0.7	0.5	0.1	0.2	0.2	0.2
37	Transportation equipment	1.2	1.1	0.3	0.9	2.1	1.1	0.0	0.3	0.2	0.0	0.2	0.1
38	Instruments and related products	0.4	0.9	1.3	0.7	1.6	1.6	0.6	0.5	0.4	0.4	1.0	0.3
	Nondurable goods industries	0.2	0.5	0.3	0.3	0.6	0.4	0.1	0.4	0.4	0.3	0.3	0.2
20	Food and kindred products	0.5	1.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6	0.2
21	Tobacco products	0.0	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.1
22	Textile mill products	0.6	1.6	1.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.4	0.8	0.9
26	Paper and allied products	0.0	1.1	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.5	0.2
28	Chemicals and allied product	1.3	1.5	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5	0.4
29	Petroleum and coal products	1.7	1.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.0	1.0	0.7
30	Rubber and plastics products	0.4	1.2	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.4
	Capital goods industries:												
	Nondefense	1.2	1.7	0.4	0.9	1.3	0.6	0.0	0.2	0.1	0.1	0.1	0.1
	Defense	3.3	1.6	0.9	0.1	4.1	3.3	0.1	0.4	0.2	0.1	0.3	0.2

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

(X) Not Applicable (NA) Not available.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

NOTICE

Effective with the February 1987 Advance Report on Durable Goods to be issued on March 24, and the regular Manufacturers' Shipments, Inventories and Orders (M3) report to be issued on March 31, the following changes in the M3 survey will be implemented:

- Concurrent seasonal adjustment of the M3 data series will begin. Concurrent seasonal adjustment uses all available unadjusted estimates, including the current month, to calculate seasonal factors for generating the seasonally adjusted data series. Several industry categories will no longer be adjusted, due to lack of seasonal variation in the series. For these series, unadjusted data will be included in both the seasonally adjusted and unadjusted aggregates.

- Inventory data will be valued on a current cost (or pre-LIFO) basis. Currently, the inventory data are reported at book value using any generally accepted method of accounting (FIFO, LIFO, etc.).

- The household durable goods series will be eliminated from the advance report. Durable goods excluding defense orders and separate data for electrical and nonelectical machinery will be added. Five series will be eliminated from the regular report because they do not meet publication standards; six others will be added.

- The current data format which shows current and three prior months of data will be replaced by current and two prior months plus current month one year ago.

- An annual report including data for 1982-1986 will be issued prior to the February advance report on durable goods. This report will contain revisions to the monthly data to reflect benchmarking to the 1982 Census of Manufactures and 1983-1985 Annual Surveys of Manufactures, corrections to monthly data for reports received too late for inclusion in the monthly publications, and updating of seasonal factors.

Any questions regarding this announcement can be answered by calling (301) 763-2502.

PUBLICATION DATES FOR THE 1987 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January	Tues., Feb. 24	Wed., Mar. 4
February	Tues., Mar. 24	Tues., Mar. 31
March	Wed., Apr. 22	Thurs., Apr. 30
April	Fri., May 22	Tues., June 2
May	Tues., June 23	Tues., June 30
June	Thurs., Jul. 23	Fri., Jul. 31
July	Tues., Aug. 25	Tues., Sept. 1
August	Wed., Sept. 23	Thurs., Oct. 1
September	Fri., Oct. 23	Mon., Nov. 2
October	Tues., Nov. 24	Thurs., Dec. 3
November	Tues., Dec. 22	Thurs., Dec. 31
December	Tues., Jan. 26, 1988	Wed., Feb. 3, 1988

C158
1:3-(87)
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
APR 29 1987
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

February 1987

M3-1(87)-2
For Wire Transmission 10:00 a.m. E.S.T. Tuesday, March 31, 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

The data presented in this report are consistent with the revised data for 1982-1986 released March 23, 1987 by the Bureau of the Census. These revisions reflect benchmarking of shipments and inventories for 1982-1985, redefinition of inventories, adjustment to unfilled orders levels, recalculation of new orders and updating of seasonal adjustment factors. Beginning with this report, new standards for seasonal adjustment are being implemented. As a result, a number of series are no longer being adjusted; for these series, the unadjusted data are included in both the adjusted and unadjusted totals. Also, effective with this publication, we have begun concurrent seasonal adjustment of the data.

SUMMARY. New orders for manufactured goods in February increased $8.0 billion or 4.3 percent to $194.6 billion, offsetting most of the revised 5.3 percent decline in January. Orders have been very volatile the last 3 months, averaging $192.8 billion per month.

February shipments were up $5.8 billion or 3.0 percent to $195.7 billion, following a January decline of 3.9 percent and a December increase of 3.8 percent. The average for the 3 months is $194.5 billion, 0.9 percent above orders for the period.

Unfilled orders held by manufacturers declined $1.1 billion or 0.3 percent to $369.4 billion, the third consecutive monthly decline. Unfilled orders have been generally declining since reaching a high in March 1986 of $379.7 billion.

Manufacturers' inventories were down slightly in February to $320.4 billion, after increasing in January 0.8 percent. The inventory to shipments ratio of February was 1.64 percent down from 1.69 percent in January.

NEW ORDERS. New orders for durable goods in February increased $6.4 billion or 6.7 percent to $101.9 billion, following a 9.8 percent decline in January. About half of the revision to the January data, which was originally estimated down 6.7 percent, resulted from the change in seasonal adjustment procedure, particularly in the defense capital goods series. Excluding defense, new orders for durable goods in February increased 4.6 percent, compared to the January decline of 7.6 percent.

Order increases were widespread in the durable goods industries, the largest occurring in transportation equipment, up $3.0 billion or 12.5 percent to $27.2 billion and primary metals, up $0.9 billion or 12.7 percent to $8.3 billion. New orders for nondurable goods were up $1.6 billion or 1.8 percent to $92.7 billion, where increases were also widespread. The largest gains were in tobacco, petroleum and rubber and plastics products.

SHIPMENTS. Shipments of both durable and nondurable were up in February. The increase in durable goods was $4.1 billion or 4.1 percent to $103.4 billion. Over half of the increase was in transportation equipment which was up $2.3 billion or 8.9 percent to $27.7 billion; motor vehicles and parts increased 9.1 percent following a 10.1 percent decline in January. Nearly all of the other major industry categories also increased in February.

Shipments of nondurable goods increased $1.7 billion or 1.9 percent to $92.4 billion. Increases were widespread with the largest in tobacco, petroleum and rubber and plastics products.

UNFILLED ORDERS. The decline in durable goods unfilled orders in February of $1.4 billion was virtually all in defense capital goods. The defense orders backlog declined $1.4 billion or 0.9 percent to $157.6 billion. The backlog of defense orders reached a high in September of $166.3 billion, declining 4 of the 5 months since then. Unfilled orders for nondefense capital goods were unchanged in February following 5 months of consecutive increases.

INVENTORIES. Inventories of durable goods in February decreased $0.5 billion or 0.3 percent to $208.5 billion. Primary metals showed the largest decline, down $0.4 billion or 2.6 percent to $16.8 billion. Inventories of nondurable goods increased $0.2 billion or 0.2 percent to $111.8 billion, with most of the increase in petroleum products.

SCHEDULE RELEASE DATES. The advance report on durable goods for March is scheduled for April 22, 1987, at 8:30 a.m. and the full report on April 30, 1987, at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334-2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763-2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1987P	Jan. 1987r	Dec. 1986	Feb. 1986r	Jan.-Feb.P	Dec.-Jan.r	Feb.-87/86	Feb. 1987P	Jan. 1987r	Dec. 1986	Feb. 1986	1987P	1986
	All manufacturing industries	195,742	189,956	197,707	188,620	+3.0	-3.9	+3.8	197,182	174,649	190,978	189,977	371,831	365,973
	Manufacturing industries with unfilled orders	105,831	102,854	109,629	102,529	+2.9	-6.2	+3.2	106,250	93,330	108,480	102,990	199,580	195,058
	Durable goods industries	103,384	99,318	106,739	99,084	+4.1	-7.0	+4.3	104,287	89,625	102,667	99,911	193,912	189,507
	With unfilled orders	81,994	79,339	86,011	80,841	+3.3	-7.8	+1.4	82,343	71,317	85,284	81,245	153,660	152,999
32	Stone, clay, and glass products	5,077	4,963	4,795	4,667	+2.3	+3.5	+8.8	4,753	4,297	4,149	4,367	9,050	8,616
33	Primary metals	8,377	8,002	8,299	8,804	+4.7	-3.6	-4.9	8,712	7,647	7,442	9,142	16,359	17,684
331	Blast furnaces, steel mills	3,460	3,317	3,394	3,788	+4.3	-2.3	-8.7	3,633	3,240	3,108	3,968	6,873	7,740
332	Iron and steel foundries	825	793	854	890	+4.0	-7.1	-7.3	840	747	689	905	1,587	1,743
333-9	Nonferrous and other primary metals	4,092	3,892	4,051	4,126	+5.1	-3.9	-0.8	4,239	3,660	3,645	4,269	7,899	8,201
34	Fabricated metal products	11,566	10,885	11,378	11,475	+6.3	-4.3	+0.8	11,546	10,030	10,255	11,499	21,576	21,975
35	Machinery, except electrical	16,863	16,729	17,664	17,379	+0.8	-5.3	-3.0	16,448	14,076	19,286	16,969	30,524	31,656
351	Engines and turbines	1,092	1,030	1,780	1,146	+6.0	-42.1	-4.7	1,143	944	1,675	1,195	2,087	2,225
353	Construction, mining, and material handling equipment	1,999	1,845	2,154	2,464	+8.3	-14.3	-18.9	1,949	1,616	2,109	2,397	3,565	4,590
354	Metalworking machinery	715	704	751	757	+1.6	-6.3	-5.5	719	589	756	762	1,308	1,391
357	Office and computing machines	4,554	4,547	4,876	4,579	+0.2	-6.7	-0.5	3,866	3,024	7,133	3,909	6,890	6,882
36	Electrical machinery	17,837	17,673	18,148	16,542	+0.9	-2.6	+7.8	17,859	15,586	18,684	16,563	33,445	30,753
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,242	2,078	2,145	2,106	+7.9	-3.1	+6.5	2,225	1,826	2,232	2,100	4,051	3,954
363	Household appliances	1,552	1,471	1,445	1,305	+5.5	+1.8	+18.9	1,518	1,367	1,241	1,278	2,885	2,501
365	Radio and TV	1,029	1,139	1,124	980	-9.7	+1.3	+5.0	994	1,051	1,091	950	2,045	1,827
366	Communication equipment	5,763	5,874	6,154	5,671	-1.9	-4.5	+1.6	5,759	4,837	6,984	5,653	10,596	10,188
367	Electronic components	3,895	3,905	3,832	3,637	-0.3	+1.9	+7.1	3,977	3,611	3,579	3,714	7,588	6,940
364,9	Other electrical machinery	3,356	3,206	3,448	2,843	+4.7	-7.0	+18.0	3,386	2,894	3,557	2,868	6,280	5,343
37	Transportation equipment	27,730	25,456	30,827	25,561	+8.9	-17.4	+8.5	29,300	24,426	28,206	26,958	53,726	51,569
371	Motor vehicles and parts	18,241	16,712	18,594	16,182	+9.1	-10.1	+12.7	19,648	16,322	15,424	17,410	35,970	34,154
372,6	Aircraft, missiles, and parts	7,754	7,181	10,443	7,674	+8.0	-31.2	+1.0	7,917	6,567	10,974	7,841	14,484	14,218
3731,95	Shipbuilding and military tank vehicles	881	651	1,079	901	+35.3	-39.7	-2.2	881	651	1,079	901	1,532	1,649
38	Instruments and related products	5,139	4,956	5,209	4,965	+3.7	-4.9	+3.5	5,102	4,439	5,382	4,925	9,541	9,558
381-4	Scientific and engineering instruments	3,389	3,282	3,456	3,297	+3.3	-5.0	+2.8	3,426	3,026	3,621	3,331	6,452	6,532
386	Photographic goods	1,589	1,497	1,547	1,478	+6.1	-3.2	+7.5	1,514	1,279	1,594	1,403	2,793	2,667
24,25, 39	All other durable goods	10,795	10,654	10,419	9,691	+1.3	+2.3	+11.4	10,567	9,124	9,263	9,488	19,691	17,696
	Nondurable goods industries	92,358	90,638	90,968	89,536	+1.9	-0.4	+3.2	92,895	85,024	88,311	90,066	177,919	176,466
	With unfilled orders	23,837	23,515	23,618	21,688	+1.4	-0.4	+9.9	23,907	22,013	23,196	21,745	45,920	42,059
20	Food and kindred products	26,990	27,084	26,785	25,311	-0.3	+1.1	+6.6	26,975	25,019	26,804	25,309	51,994	49,323
202	Dairy products	3,812	3,788	3,737	3,424	+0.6	+1.4	+11.3	3,766	3,624	3,620	3,385	7,390	6,632
208	Beverages	3,629	3,699	3,751	3,632	-1.9	-1.4	-0.1	3,266	3,165	3,298	3,286	6,431	6,498
203-6,9	All other foods	12,224	12,356	12,140	11,394	-1.1	+1.8	+7.3	12,737	11,214	12,587	11,880	23,951	22,767
21	Tobacco products	1,303	782	2,095	1,380	+66.6	-62.7	-5.6	1,303	782	2,095	1,380	2,085	2,219
22	Textile mill products	4,661	4,536	4,647	4,497	+2.8	-2.4	+3.6	4,629	3,926	4,395	4,472	8,555	8,461
221-4,6, 8,9	Broadwoven fabrics	2,862	2,695	2,826	2,826	+6.2	-4.6	+1.3	2,876	2,423	2,837	2,841	5,299	5,406
26	Paper and allied products	9,537	9,276	9,311	8,144	+2.8	-0.4	+17.1	9,854	8,983	8,829	8,406	18,837	16,241
261-3,6	Pulp, paper etc.	4,063	4,136	4,085	3,369	-1.8	+1.2	+20.6	4,188	3,936	3,956	3,475	8,124	6,619
265	Paperboard containers	2,002	1,893	1,992	1,858	+5.8	-5.0	+7.8	2,024	1,849	1,792	1,875	3,873	3,682
264	All other paper products	3,472	3,247	3,234	2,917	+6.9	+0.4	+19.0	3,642	3,198	3,081	3,056	6,840	5,940
28	Chemicals and allied products	17,269	17,191	16,793	16,668	+0.5	+2.4	+3.6	17,636	16,633	16,483	17,012	34,269	33,331
281,6	Industrial chemicals, except pigments	4,920	4,908	4,778	4,756	+0.2	+2.7	+3.4	5,092	4,644	4,684	4,918	9,736	9,516
283,4	Drugs, soaps, and toiletries	6,106	6,131	5,949	5,674	-0.4	+3.1	+7.6	6,118	5,978	6,079	5,684	12,096	11,228
282,9	Other chemical products	4,064	3,981	3,916	3,915	+2.1	+1.7	+3.8	4,255	3,772	3,807	4,099	8,027	7,855
29	Petroleum and coal products	10,492	10,007	9,832	12,595	+4.8	+1.8	-16.7	10,214	9,768	9,688	12,336	19,982	26,575
30	Rubber and plastics products	6,672	6,314	6,136	6,016	+5.7	+2.9	+10.9	6,726	5,859	5,563	6,062	12,585	11,679
23,27, 31	All other nondurable goods	15,434	15,448	15,369	14,925	-0.1	+0.5	+3.4	15,558	14,054	14,454	15,089	29,612	28,637
	Market categories:													
	Home goods and apparel	12,879	13,164	13,166	12,648	-2.2	0.0	+1.8	13,154	11,327	11,048	12,947	24,481	23,798
	Consumer staples	38,529	38,088	38,707	35,844	+1.2	-1.6	+7.5	38,353	35,342	39,040	35,691	73,695	69,048
	Equipment and defense products, except automotive	30,287	29,740	33,237	30,540	+1.8	-10.5	-0.8	29,698	25,270	36,620	29,953	54,968	55,455
	Automotive equipment	20,217	18,683	20,320	18,063	+8.2	-8.1	+11.9	21,489	18,149	16,979	19,160	39,638	37,699
	Construction materials, supplies and intermediate products	16,415	15,531	15,097	14,570	+5.7	+2.9	+12.7	15,417	13,275	13,269	13,668	28,692	26,190
	Other materials, supplies, and intermediate products	77,415	74,750	77,180	76,955	+3.6	-3.1	+0.6	79,071	71,286	74,022	78,558	150,357	153,783
	Supplementary series:[2]													
	Capital goods industries	35,202	34,112	39,383	34,924	+3.2	-13.4	+0.8	34,774	29,298	42,954	34,485	64,072	63,335
	Nondefense	26,805	25,836	28,727	26,549	+3.8	-10.1	+1.0	26,207	21,897	31,626	25,938	48,104	47,712
	Defense	8,397	8,276	10,656	8,375	+1.5	-22.3	+0.3	8,567	7,401	11,328	8,547	15,968	15,623
	Household durable goods industries	6,071	6,191	6,279	5,736	-1.9	-1.4	+5.8	6,002	5,326	5,571	5,669	11,328	10,497

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1987P	Jan. 1987r	Dec. 1986	Feb. 1986r	Jan.-Feb.P	Dec.-Jan.r	Feb.-87/86	Feb. 1987P	Jan. 1987r	Dec. 1986	Feb. 1986	1987P	1986
	All manufacturing industries	194,640	186,635	197,042	190,930	+4.3	-5.3	+1.9	199,111	176,432	192,786	194,896	375,543	377,228
	Manufacturing industries with unfilled orders	104,729	99,533	108,964	104,839	+5.2	-8.7	-0.1	108,179	95,113	110,288	107,909	203,292	206,313
	Durable goods industries	101,936	95,546	105,966	101,267	+6.7	-9.8	+0.7	105,720	90,761	104,345	104,578	196,481	200,344
	With unfilled orders	80,546	75,567	85,238	83,024	+6.6	-11.3	-3.0	83,776	72,453	86,962	85,912	156,229	163,836
32	Stone, clay, and glass products	5,048	4,953	4,716	4,661	+1.9	+5.0	+8.3	4,862	4,333	4,090	4,503	9,195	8,829
33	Primary metals	8,266	7,333	9,180	9,134	+12.7	-20.1	-9.5	9,223	8,133	8,590	10,198	17,356	19,952
331	Blast furnaces, steel mills	3,416	2,862	3,977	3,900	+19.4	-28.0	-12.4	4,171	3,409	3,912	4,640	7,580	8,840
332	Iron and steel foundries	786	762	953	942	+3.1	-20.0	-16.6	795	873	726	965	1,668	1,965
333-9	Nonferrous and other primary metals	4,064	3,709	4,250	4,292	+9.6	-12.7	-5.3	4,257	3,851	3,952	4,593	8,108	9,147
34	Fabricated metal products	11,555	10,847	11,724	11,369	+6.5	-7.5	+1.6	11,803	9,992	10,643	11,664	21,795	22,070
35	Machinery, except electrical	16,799	16,021	16,499	18,106	+4.9	-2.9	-7.2	17,364	13,695	17,554	18,430	31,059	32,458
351	Engines and turbines	1,044	677	532	1,479	+54.2	+27.3	-29.4	1,051	492	400	1,491	1,543	2,512
353	Construction, mining, and material handling equipment	2,063	1,729	2,200	2,323	+19.3	-21.4	-11.2	2,065	1,539	2,130	2,323	3,604	4,486
354	Metalworking machinery	697	762	707	702	-8.5	+7.8	-0.7	700	636	578	708	1,336	1,346
357	Office and computing machines	4,306	3,874	4,928	5,137	+11.2	-21.4	-16.2	4,426	2,467	6,769	5,042	6,893	7,076
36	Electrical machinery	17,007	15,915	18,803	16,917	+6.9	-15.4	+0.5	17,671	14,925	19,602	17,466	32,596	33,008
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,246	2,083	2,081	2,033	+7.8	+0.1	+10.5	2,302	1,885	2,134	2,104	4,187	4,090
363	Household appliances	1,570	1,413	1,398	1,267	+11.1	+1.1	+23.9	1,521	1,346	1,201	1,217	2,867	2,486
365	Radio and TV	925	1,129	1,044	999	-18.1	+8.1	-7.4	890	1,041	1,011	969	1,931	1,795
366	Communication equipment	4,984	5,101	6,245	6,158	-2.3	-18.3	-19.1	5,404	4,926	7,424	6,494	10,330	12,431
367	Electronic components	3,909	2,949	4,705	3,571	+32.6	-37.3	+9.5	4,143	2,806	4,413	3,766	6,949	6,823
364,9	Other electrical machinery	3,373	3,240	3,330	2,889	+4.1	-2.7	+16.8	3,411	2,921	3,419	2,916	6,332	5,383
37	Transportation equipment	27,239	24,213	29,500	26,462	+12.5	-17.9	+2.9	28,998	25,492	29,483	27,882	54,490	56,178
372,6	Aircraft, missiles, and parts	7,879	6,581	9,758	9,000	+19.7	-32.6	-12.5	7,881	7,838	12,686	8,855	15,719	19,329
3731,95	Shipbuilding and military tank vehicles	295	41	585	469	+619.5	-93.0	-37.1	436	308	704	638	744	764
38	Instruments and related products	5,061	5,183	5,109	4,895	-2.4	+1.4	+3.4	5,043	4,682	5,292	4,870	9,725	9,665
381-4	Scientific and engineering instruments	3,286	3,507	3,399	3,224	-6.3	+3.2	+1.9	3,323	3,251	3,564	3,258	6,574	6,486
24,25, 39	All other durable goods	10,961	11,081	10,435	9,723	-1.1	+6.2	+12.7	10,756	9,509	9,091	9,565	20,265	18,184
	Nondurable goods industries	92,704	91,089	91,076	89,663	+1.8	0.0	+3.4	93,391	85,671	88,441	90,318	179,062	176,884
	With unfilled orders	24,183	23,966	23,726	21,815	+0.9	+1.0	+10.9	24,403	22,660	23,326	21,997	47,063	42,477
	Market categories:													
	Home goods and apparel	13,051	13,613	12,859	12,731	-4.1	+5.9	+2.5	13,401	11,848	10,720	13,100	25,249	24,511
	Consumer staples	38,525	38,033	38,757	35,854	+1.3	-1.9	+7.4	38,354	35,369	39,082	35,703	73,723	69,115
	Equipment and defense products, except automotive	29,062	27,233	32,246	31,079	+6.7	-15.5	-6.5	29,937	26,131	37,802	31,530	56,068	60,468
	Automotive equipment	20,191	18,647	20,227	18,098	+8.3	-7.8	+11.6	21,672	18,284	16,974	19,361	39,956	38,109
	Construction materials, supplies and intermediate products	16,543	15,424	15,377	14,646	+7.3	+0.3	+13.0	15,846	13,237	13,395	14,050	29,083	26,658
	Other materials, supplies, and intermediate products	77,268	73,685	77,576	78,522	+4.9	-5.0	-1.6	79,901	71,563	74,813	81,152	151,464	158,367
	Supplementary series:[2]													
	Capital goods industries	33,755	31,478	36,960	36,854	+7.2	-14.8	-8.4	34,772	30,010	42,750	37,422	64,782	70,574
	Nondefense	26,807	26,778	29,312	27,645	+0.1	-8.6	-3.0	27,250	23,185	31,565	27,830	50,435	49,891
	Defense	6,948	4,700	7,648	9,209	+47.8	-38.5	-24.6	7,522	6,825	11,185	9,592	14,347	20,683
	Household durable goods industries	6,125	6,533	6,084	5,821	-6.2	+7.4	+5.2	6,088	5,741	5,343	5,780	11,829	11,114

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Feb. 1987P	Jan. 1987r	Dec. 1986	Feb. 1986r	Jan.-Feb.P	Dec.-Jan.r	Feb.-87/86	Feb. 1987P	Jan. 1987r	Dec. 1986	Feb. 1986
	All manufacturing industries	369,424	370,526	373,849	376,395	-0.3	-0.9	-1.9	374,122	372,193	370,410	381,182
	Durable goods industries	357,523	358,971	362,745	365,839	-0.4	-1.0	-2.3	362,105	360,672	359,536	370,511
32	Stone, clay, and glass products	2,508	2,537	2,547	2,692	-1.1	-0.4	-6.8	2,575	2,466	2,430	2,761
33	Primary metals	16,667	16,778	17,447	17,464	-0.7	-3.8	-4.6	17,724	17,213	16,727	18,573
331	Blast furnaces, steel mills	8,729	8,773	9,228	8,415	-0.5	-4.9	+3.7	9,558	9,020	8,851	9,221
332	Iron and steel foundries	2,732	2,771	2,802	2,558	-1.4	-1.1	+6.8	2,757	2,802	2,676	2,584
333-9	Nonferrous and other primary metals	5,206	5,234	5,417	6,491	-0.5	-3.4	-19.8	5,409	5,391	5,200	6,768
34	Fabricated metal products	18,928	18,939	18,977	19,814	-0.1	-0.2	-4.5	18,916	18,659	18,697	19,797
35	Machinery, except electrical	54,752	54,816	55,525	61,248	-0.1	-1.3	-10.6	55,093	54,177	54,558	61,563
351	Engines and turbines	13,979	14,027	14,381	16,698	-0.3	-2.5	-16.3	13,961	14,053	14,505	16,678
353	Construction, mining, and material handling equipment	4,309	4,245	4,361	5,476	+1.5	-2.7	-21.3	4,374	4,258	4,335	5,559
354	Metalworking machinery	3,162	3,180	3,122	3,629	-0.6	+1.9	-12.9	3,083	3,102	3,055	3,543
357	Office and computing machines	18,525	18,773	19,446	20,644	-1.3	-3.5	-10.3	18,636	18,076	18,633	20,735
36	Electrical machinery	91,344	92,174	93,932	92,246	-0.9	-1.9	-1.0	91,721	91,909	92,570	92,638
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,424	5,420	5,415	5,861	+0.1	+0.1	-7.5	5,464	5,387	5,328	5,904
363	Household appliances	256	238	296	344	+7.6	-19.6	-25.6	245	242	263	329
365	Radio and TV	249	353	363	403	-29.5	-2.8	-38.2	249	353	363	403
366	Communication equipment	68,559	69,338	70,111	67,546	-1.1	-1.1	+1.5	69,020	69,375	69,286	68,032
367	Electronic components	15,082	15,068	16,024	16,458	+0.1	-6.0	-8.4	14,992	14,826	15,631	16,354
364,9	Other electrical machinery	1,774	1,757	1,723	1,634	+1.0	+2.0	+8.6	1,751	1,726	1,699	1,616
37	Transportation equipment	159,580	160,071	161,315	158,831	-0.3	-0.8	+0.5	162,553	162,855	161,789	161,838
372,6	Aircraft, missiles, and parts	137,705	137,580	138,180	136,051	+0.1	-0.4	+1.2	139,961	139,997	138,726	138,282
3731,95	Shipbuilding and military tank vehicles	16,181	16,767	17,378	16,651	-3.5	-3.5	-2.8	16,558	17,003	17,346	17,074
38	Instruments and related products	8,360	8,438	8,211	8,580	-0.9	+2.8	-2.6	8,359	8,418	8,175	8,579
381-4	Scientific and engineering instruments	7,526	7,629	7,404	7,540	-1.4	+3.0	-0.2	7,526	7,629	7,404	7,540
24,25, 39	All other durable goods	5,384	5,218	4,791	4,964	+3.2	+8.9	+8.5	5,164	4,975	4,590	4,762
	Nondurable goods industries	11,901	11,555	11,104	10,556	+3.0	+4.1	+12.7	12,017	11,521	10,874	10,671
	Market categories:											
	Home goods and apparel	4,122	3,950	3,501	3,999	+4.4	+12.8	+3.1	4,100	3,853	3,332	3,976
	Consumer staples	725	729	784	760	-0.5	-7.0	-4.6	791	790	763	828
	Equipment and defense products, except automotive	235,808	237,033	239,542	238,365	-0.5	-1.0	-1.1	239,087	238,848	237,987	241,685
	Automotive equipment	5,482	5,508	5,544	5,788	-0.5	-0.6	-5.3	5,822	5,639	5,504	6,141
	Construction materials, supplies and intermediate products	10,517	10,389	10,496	10,977	+1.2	-1.0	-4.2	10,479	10,050	10,088	10,929
	Other materials, supplies, and intermediate products	112,770	112,917	113,982	116,506	-0.1	-0.9	-3.2	113,843	113,013	112,736	117,623
	Supplementary series:[2]											
	Capital goods industries	286,589	288,036	290,672	291,587	-0.5	-0.9	-1.7	290,024	290,026	289,314	295,052
	Nondefense	129,010	129,008	128,067	130,578	0.0	+0.7	-1.2	129,351	128,308	127,020	130,903
	Defense	157,579	159,028	162,605	161,009	-0.9	-2.2	-2.1	160,673	161,718	162,294	164,149
	Household durable goods industries	3,486	3,432	3,090	3,430	+1.6	+11.1	+1.6	3,461	3,375	2,960	3,404

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Feb. 1987p	Jan. 1987r	Dec. 1986	Feb. 1986r	Jan.-Feb.p	Dec.-Jan.r	Feb.-87/86	Feb. 1987p	Jan. 1987r	Dec. 1986	Feb. 1986
	All manufacturing industries	320,384	320,689	318,172	324,569	-0.1	+0.8	-1.3	320,867	318,669	313,697	325,177
	Manufacturing industries with unfilled orders	217,530	218,201	216,545	220,906	-0.3	+0.8	-1.5	216,825	215,316	212,166	220,226
	Durable goods industries	208,547	209,090	207,935	212,616	-0.3	+0.6	-1.9	208,666	206,933	204,025	212,758
	With unfilled orders	191,496	192,215	191,132	195,503	-0.4	+0.6	-2.0	190,913	189,773	187,305	194,937
32	Stone, clay, and glass products	7,035	7,189	6,961	7,021	-2.1	+3.3	+0.2	7,136	7,095	6,858	7,121
33	Primary metals	16,778	17,225	17,294	19,396	-2.6	-0.4	-13.5	16,515	16,942	17,059	19,084
331	Blast furnaces, steel mills	7,615	7,834	7,784	9,478	-2.8	+0.6	-19.7	7,371	7,635	7,772	9,177
332	Iron and steel foundries	1,110	1,110	1,117	1,262	0.0	-0.6	-12.0	1,147	1,105	1,087	1,302
333-9	Nonferrous and other primary metals	8,053	8,281	8,393	8,656	-2.8	-1.3	-7.0	7,997	8,202	8,200	8,605
34	Fabricated metal products	21,333	21,373	21,207	21,998	-0.2	+0.8	-3.0	21,333	21,193	20,883	22,007
35	Machinery, except electrical	41,337	41,418	41,650	44,988	-0.2	-0.6	-8.1	41,489	41,055	40,821	45,146
351	Engines and turbines	2,799	2,788	2,856	2,759	+0.4	-2.4	+1.4	2,780	2,698	2,664	2,743
353	Construction, mining, and material handling equipment	6,842	6,872	6,830	7,643	-0.4	+0.6	-10.5	6,876	6,834	6,782	7,683
354	Metalworking machinery	3,006	2,967	2,952	3,073	+1.3	+0.5	-2.2	3,003	2,937	2,866	3,070
357	Office and computing machines	9,734	9,787	9,865	11,863	-0.5	-0.8	-17.9	9,685	9,590	9,620	11,805
36	Electrical machinery	39,179	39,049	38,774	38,260	+0.3	+0.7	+2.4	38,938	38,531	38,134	38,041
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,983	4,934	4,810	5,028	+1.0	+2.6	-0.9	4,976	4,897	4,735	5,023
363	Household appliances	2,760	2,708	2,715	2,609	+1.9	-0.3	+5.8	2,793	2,669	2,555	2,639
365	Radio and TV	1,797	1,737	1,635	1,410	+3.5	+6.2	+27.4	1,677	1,609	1,583	1,316
366	Communication equipment	16,248	16,274	16,261	15,840	-0.2	+0.1	+2.6	16,202	16,165	16,116	15,787
367	Electronic components	7,774	7,733	7,709	7,658	+0.5	+0.3	+1.5	7,735	7,681	7,699	7,624
364,9	Other electrical machinery	5,617	5,663	5,644	5,715	-0.8	+0.3	-1.7	5,555	5,510	5,446	5,652
37	Transportation equipment	53,338	53,373	52,638	52,052	-0.1	+1.4	+2.5	53,523	52,716	51,456	52,285
371	Motor vehicles and parts	11,035	11,067	11,119	11,597	-0.3	-0.5	-4.8	11,315	11,183	11,147	11,891
372,6	Aircraft, missiles, and parts	38,598	38,742	38,094	37,044	-0.4	+1.7	+4.2	38,448	37,946	36,832	36,935
3731,95	Shipbuilding and military tank vehicles	2,006	1,993	1,921	1,709	+0.7	+3.7	+17.4	1,976	1,950	1,866	1,676
38	Instruments and related products	12,658	12,615	12,620	12,575	+0.3	0.0	+0.7	12,536	12,391	12,242	12,455
381-4	Scientific and engineering instruments	9,057	9,088	9,174	9,139	-0.3	-0.9	-0.9	8,994	8,950	8,970	9,076
386	Photographic goods	3,000	2,941	2,865	2,874	+2.0	+2.7	+4.4	2,946	2,864	2,712	2,822
24,25, 39	All other durable goods	16,889	16,848	16,791	16,326	+0.2	+0.3	+3.4	17,196	17,010	16,572	16,619
	Nondurable goods industries	111,837	111,599	110,237	111,953	+0.2	+1.2	-0.1	112,201	111,736	109,672	112,419
	With unfilled orders	26,034	25,986	25,413	25,403	+0.2	+2.3	+2.5	25,912	25,543	24,861	25,289
20	Food and kindred products	23,687	23,792	23,575	23,388	-0.4	+0.9	+1.3	23,965	24,292	24,026	23,682
202	Dairy products	2,046	2,026	1,996	1,782	+1.0	+1.5	+14.8	2,017	1,991	1,929	1,758
208	Beverages	4,636	4,674	4,719	4,698	-0.8	-1.0	-1.3	4,747	4,711	4,686	4,814
203-6,9	All other foods	13,973	14,108	13,859	13,778	-1.0	+1.8	+1.4	13,959	14,407	14,332	13,762
21	Tobacco products	5,647	5,658	5,634	5,927	-0.2	+0.4	-4.7	5,975	6,051	5,923	6,271
22	Textile mill products	6,782	6,755	6,506	7,042	+0.4	+3.8	-3.7	6,797	6,669	6,385	7,058
221-4,6, 8,9	Broadwoven fabrics	3,804	3,837	3,705	4,205	-0.9	+3.6	-9.5	3,834	3,793	3,657	4,237
26	Paper and allied products	10,630	10,555	10,429	9,932	+0.7	+1.2	+7.0	10,661	10,530	10,380	9,962
261-3,6	Pulp, paper etc.	4,142	4,098	4,115	3,934	+1.1	-0.4	+5.3	4,179	4,132	4,105	3,969
265	Paperboard containers	2,697	2,657	2,542	2,435	+1.5	+4.5	+10.8	2,705	2,671	2,577	2,442
264	All other paper products	3,791	3,800	3,772	3,563	-0.2	+0.7	+6.4	3,777	3,727	3,698	3,551
28	Chemicals and allied products	27,327	27,286	27,021	25,609	+0.2	+1.0	+6.7	27,367	27,171	26,976	25,683
281,6	Industrial chemicals, except pigments	8,195	8,179	8,233	7,834	+0.2	-0.7	+4.6	8,195	8,179	8,233	7,834
283,4	Drugs, soaps, and toiletries	8,839	8,716	8,548	7,953	+1.4	+2.0	+11.1	8,724	8,554	8,376	7,851
282,9	Other chemical products	6,558	6,522	6,414	5,916	+0.6	+1.7	+10.9	6,545	6,506	6,432	5,917
29	Petroleum and coal products	10,163	9,968	9,844	12,477	+2.0	+1.3	-18.5	10,173	10,057	9,789	12,505
30	Rubber and plastics products	8,666	8,660	8,630	8,767	+0.1	+0.3	-1.2	8,660	8,540	8,456	8,771
23,27, 31	All other nondurable goods	18,935	18,925	18,598	18,811	+0.1	+1.8	+0.7	18,603	18,426	17,737	18,487
	Market categories:											
	Home goods and apparel	25,522	25,339	24,904	24,342	+0.7	+1.7	+4.8	25,249	24,965	23,993	24,090
	Consumer staples	41,556	41,637	41,098	40,508	-0.2	+1.3	+2.6	41,879	42,102	41,385	40,868
	Equipment and defense products, except automotive	92,094	92,373	92,116	94,876	-0.3	+0.3	-2.9	92,277	91,527	90,286	95,052
	Automotive equipment	13,470	13,382	13,392	14,188	+0.7	-0.1	-5.1	13,875	13,553	13,480	14,610
	Construction materials, supplies and intermediate products	22,854	23,027	22,682	23,153	-0.8	+1.5	-1.3	23,141	22,851	22,399	23,435
	Other materials, supplies, and intermediate products	124,888	124,931	123,980	127,502	0.0	+0.8	-2.1	124,446	123,671	122,154	127,122
	Supplementary series:[2]											
	Capital goods industries	106,263	106,395	105,660	107,502	-0.1	+0.7	-1.2	106,018	104,856	103,075	107,288
	Nondefense	72,020	72,231	71,787	76,031	-0.3	+0.6	-5.3	71,897	71,383	70,140	75,912
	Defense	34,243	34,164	33,873	31,471	+0.2	+0.9	+8.8	34,121	33,473	32,935	31,376
	Household durable goods industries	13,142	13,094	12,908	12,000	+0.4	+1.4	+9.5	13,080	12,911	12,484	11,959

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Feb. 1987p	Jan. 1987r	Dec. 1986	Feb. 1986r	Jan.- Feb.p	Dec.- Jan.r	Feb.- 87/86	Feb. 1987p	Jan. 1987r	Dec. 1986	Feb. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	102,236	102,574	100,962	103,720	-0.3	+1.6	-1.4	102,969	103,437	102,981	104,157
	Durable goods industries	59,445	59,817	57,692	61,025	-0.6	+3.7	-2.6	59,378	59,740	59,502	60,792
32	Stone, clay, and glass products	2,257	2,256	2,092	2,237	0.0	+7.8	+0.9	2,251	2,247	2,212	2,267
33	Primary metals	5,355	5,644	5,015	6,229	-5.1	+12.5	-14.0	5,263	5,636	5,775	6,112
34	Fabricated metal products	7,386	7,426	7,716	7,963	-0.5	-3.8	-7.2	7,327	7,383	7,334	7,907
35	Machinery, except electrical	11,689	11,697	11,904	12,460	-0.1	-1.7	-6.2	11,642	11,666	11,598	12,114
36	Electrical machinery	10,339	10,356	8,799	10,199	-0.2	+17.7	+1.4	10,369	10,294	10,103	10,233
37	Transportation equipment	12,044	12,094	12,508	12,016	-0.4	-3.3	+0.2	12,094	12,048	12,068	11,915
38	Instruments and related products	4,055	4,018	3,440	3,652	+0.9	+16.8	+11.0	4,044	4,009	3,967	3,983
24,25, 39	All other durable goods	6,320	6,326	6,218	6,269	-0.1	+1.7	+0.8	6,388	6,457	6,445	6,261
	Nondurable goods industries	42,791	42,757	43,270	42,695	+0.1	-1.2	+0.2	43,591	43,697	43,479	43,365
20	Food and kindred products	8,644	8,771	8,851	8,114	-1.4	-0.9	+6.5	8,965	9,183	9,018	8,435
21	Tobacco products	4,736	4,745	4,668	4,606	-0.2	+1.6	+2.8	4,999	5,117	5,167	5,167
22	Textile mill products	1,835	1,790	1,981	1,970	+2.5	-9.6	-6.9	1,860	1,768	1,768	1,996
26	Paper and allied products	5,461	5,348	5,117	5,118	+2.1	+4.5	+6.7	5,502	5,352	5,399	5,154
28	Chemicals and allied products	9,015	9,056	9,881	8,609	-0.5	-8.3	+4.7	8,978	9,086	9,064	8,587
29	Petroleum and coal products	3,074	3,003	3,002	4,055	+2.4	0.0	-24.2	3,077	2,994	3,084	3,829
30	Rubber and plastics products	3,248	3,240	3,034	3,086	+0.2	+6.8	+5.2	3,195	3,216	3,258	3,146
23,27, 31	All other nondurable goods	6,778	6,804	6,736	7,137	-0.4	+1.0	-5.0	7,015	6,981	6,721	7,051
	WORK IN PROCESS											
	All manufacturing industries	113,351	113,298	116,006	115,644	0.0	-2.3	-2.0	113,251	111,699	109,708	115,445
	Durable goods industries	95,555	95,589	99,121	97,772	0.0	-3.6	-2.3	95,493	94,183	92,804	97,329
32	Stone, clay, and glass products	1,013	1,038	943	1,064	-2.4	+10.1	-4.8	1,048	1,035	975	1,094
33	Primary metals	6,573	6,609	7,488	7,113	-0.5	-11.7	-7.6	6,441	6,460	6,447	6,973
34	Fabricated metal products	7,622	7,475	7,816	7,544	+2.0	-4.4	+1.0	7,561	7,305	7,126	7,482
35	Machinery, except electrical	16,705	16,733	16,375	18,973	-0.2	+2.2	-12.0	16,853	16,539	16,703	19,317
36	Electrical machinery	20,069	20,034	22,909	19,662	+0.2	-12.5	+2.1	19,948	19,856	19,722	19,553
37	Transportation equipment	35,062	35,233	34,684	34,549	-0.5	+1.6	+1.5	35,171	34,645	33,589	34,355
38	Instruments and related products	4,905	4,933	5,169	5,249	-0.6	-4.6	-6.6	4,823	4,795	4,741	4,967
24,25, 39	All other durable goods	3,606	3,534	3,737	3,618	+2.0	-5.4	-0.3	3,648	3,548	3,501	3,588
	Nondurable goods industries	17,796	17,709	16,885	17,872	+0.5	+4.9	-0.4	17,758	17,516	16,904	18,116
20	Food and kindred products	2,422	2,403	1,725	2,477	+0.8	+39.3	-2.2	2,505	2,451	2,417	2,565
21	Tobacco products	153	131	593	481	+16.8	-77.9	-68.2	153	132	168	137
22	Textile mill products	2,114	2,207	1,948	2,035	-4.2	+13.3	+3.9	2,116	2,207	1,918	2,037
26	Paper and allied products	1,220	1,230	1,243	1,149	-0.8	-1.0	+6.2	1,196	1,214	1,194	1,129
28	Chemicals and allied products	4,170	4,172	4,017	3,921	0.0	+3.9	+6.4	4,136	4,078	3,862	3,896
29	Petroleum and coal products	2,050	1,950	1,333	2,214	+5.1	+46.3	-7.4	2,052	1,944	1,945	2,941
30	Rubber and plastics products	1,442	1,416	1,804	1,658	+1.8	-21.5	-13.0	1,431	1,418	1,460	1,395
23,27, 31	All other nondurable goods	4,225	4,200	4,222	3,937	+0.6	-0.5	+7.3	4,169	4,072	3,940	4,016
	FINISHED GOODS											
	All manufacturing industries	104,797	104,817	101,204	105,205	0.0	+3.6	-0.4	104,647	103,533	101,008	105,575
	Durable goods industries	53,547	53,684	51,122	53,819	-0.3	+5.0	-0.5	53,795	53,010	51,719	54,637
32	Stone, clay, and glass products	3,765	3,895	3,926	3,720	-3.3	-0.8	+1.2	3,837	3,813	3,671	3,760
33	Primary metals	4,850	4,972	4,791	6,054	-2.5	+3.8	-19.9	4,811	4,846	4,837	5,999
34	Fabricated metal products	6,325	6,472	5,675	6,491	-2.3	+14.0	-2.6	6,445	6,505	6,423	6,618
35	Machinery, except electrical	12,943	12,988	13,371	13,555	-0.3	-2.9	-4.5	12,994	12,850	12,520	13,715
36	Electrical machinery	8,771	8,659	7,066	8,399	+1.3	+22.5	+4.4	8,621	8,381	8,309	8,255
37	Transportation equipment	6,232	6,046	5,446	5,487	+3.1	+11.0	+13.6	6,258	6,023	5,799	6,015
38	Instruments and related products	3,698	3,664	4,011	3,674	+0.9	-8.7	+0.7	3,669	3,587	3,534	3,505
24,25, 39	All other durable goods	6,963	6,988	6,836	6,439	-0.4	+2.2	+8.1	7,160	7,005	6,626	6,770
	Nondurable goods industries	51,250	51,133	50,082	51,386	+0.2	+2.1	-0.3	50,852	50,523	49,289	50,938
20	Food and kindred products	12,621	12,618	12,999	12,797	0.0	-2.9	-1.4	12,495	12,658	12,591	12,682
21	Tobacco products	758	782	373	840	-3.1	+109.7	-9.8	823	802	588	967
22	Textile mill products	2,833	2,758	2,577	3,037	+2.7	+7.0	-6.7	2,821	2,694	2,699	3,025
26	Paper and allied products	3,949	3,977	4,069	3,665	-0.7	-2.3	+7.7	3,963	3,964	3,787	3,679
28	Chemicals and allied products	14,142	14,058	13,123	13,079	+0.6	+7.1	+8.1	14,253	14,007	14,050	13,200
29	Petroleum and coal products	5,039	5,015	5,509	6,208	+0.5	-9.0	-18.8	5,044	5,119	4,760	5,735
30	Rubber and plastics products	3,976	4,004	3,792	4,023	-0.7	+5.6	-1.2	4,034	3,906	3,738	4,230
23,27, 31	All other nondurable goods	7,932	7,921	7,640	7,737	+0.1	+3.7	+2.5	7,419	7,373	7,076	7,420

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Feb. 1987p	Jan. 1987r	Dec. 1986	Feb. 1986r	Feb. 1987p	Jan. 1987r	Dec. 1986	Feb. 1986r
	All manufacturing industries	1.64	1.69	1.61	1.72	3.49	3.60	3.41	3.67
	Durable goods industries	2.02	2.11	1.95	2.15	4.36	4.52	4.22	4.53
32	Stone, clay, and glass products	1.39	1.45	1.45	1.50	0.54	0.56	0.59	0.63
33	Primary metals	2.00	2.15	2.08	2.20	1.99	2.10	2.10	1.98
34	Fabricated metal products	1.84	1.96	1.86	1.92	1.80	1.93	1.83	1.89
35	Machinery, except electrical	2.45	2.48	2.36	2.59	3.45	3.47	3.32	3.71
36	Electrical machinery	2.20	2.21	2.14	2.31	5.12	5.22	5.18	5.58
37	Transportation equipment	1.92	2.10	1.71	2.04	10.81	11.82	9.01	10.98
38	Instruments and related products	2.46	2.55	2.42	2.53	1.63	1.70	1.58	1.73
	Nondurable goods industries	1.21	1.23	1.21	1.25	0.50	0.49	0.47	0.49
20	Food and kindred products	0.88	0.88	0.88	0.92	(X)	(X)	(X)	(X)
21	Tobacco products	4.33	7.24	2.69	4.29	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.49	1.40	1.57	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.11	1.14	1.12	1.22	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.58	1.59	1.61	1.54	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.97	1.00	1.00	0.99	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.37	1.41	1.46	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Feb. 1986	All Febs. 1982-1986	Feb. 1986-Jan. 1987	Year ago Feb. 1986	All Febs. 1982-1986	Feb. 1986-Jan. 1987	Year ago Feb. 1986	All Febs. 1982-1986	Feb. 1986-Jan. 1987	Year ago Feb. 1986	All Febs. 1982-1986	Feb. 1986-Jan. 1987
	All manufacturing industries	0.0	0.2	0.3	0.1	0.2	0.3	0.0	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.4	0.4	0.4	0.6	0.7	0.6	0.1	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products	0.5	0.7	1.2	0.5	1.3	1.4	0.1	1.8	0.8	0.2	0.4	0.4
33	Primary metals	1.7	0.6	0.5	0.2	0.8	0.4	0.8	0.6	0.3	0.1	0.2	0.3
34	Fabricated metal products	1.3	1.1	1.1	2.9	2.6	1.2	1.2	0.8	0.4	0.4	0.3	0.3
35	Machinery, except electrical	0.3	0.7	0.6	1.4	1.7	1.1	0.2	0.2	0.2	0.1	0.2	0.2
36	Electrical machinery	0.5	0.5	0.3	0.4	0.8	0.6	0.1	0.2	0.1	0.1	0.3	0.2
37	Transportation equipment	0.0	0.2	0.2	0.3	1.6	1.0	0.1	0.1	0.2	0.1	0.1	0.1
38	Instruments and related products	1.8	2.1	1.5	1.9	2.3	1.8	0.1	0.2	0.4	0.9	0.5	0.3
	Nondurable goods industries	0.4	0.2	0.3	0.5	0.2	0.4	0.1	0.5	0.5	0.2	0.2	0.2
20	Food and kindred products	0.7	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
21	Tobacco products	0.0	0.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.2
22	Textile mill products	0.6	0.9	1.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.6	0.8
26	Paper and allied products	0.1	0.5	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.3	0.4
28	Chemicals and allied product	0.5	0.6	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.4
29	Petroleum and coal products	1.2	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.6	0.7
30	Rubber and plastics products	1.2	1.6	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.8	1.3	0.6
	Capital goods industries:												
	Nondefense	0.1	0.8	0.4	0.5	1.4	0.7	0.1	0.1	0.1	0.0	0.1	0.1
	Defense	0.3	1.1	0.6	0.0	3.7	3.3	0.1	0.2	0.2	0.0	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

M3-1(87)-3

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

MAY 13 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

March 1987
M3-1(87)-3

For Wire Transmission 10:00 a.m. E.D.T. Thursday, April 30, 1987

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in March increased $4.6 billion or 2.3 percent to $198.9 billion. This was the fifth increase in the last 7 months.

Shipments of manufactured goods in March increased $1.9 billion or 1.0 percent to $197.5 billion, following a 3.0 percent increase in February.

Unfilled orders in March increased $1.4 billion or 0.4 percent to $370.6 billion. This is the first time unfilled orders have increased since November.

Current cost inventories in March declined $0.9 billion or 0.3 percent to $319.6 billion. The inventory to shipments ratio in March was 1.62, down from 1.64 in February.

NEW ORDERS. New orders for durable goods in March increased $3.8 billion or 3.8 percent to $105.8 billion. This is the largest one month volume of orders since the high in December of $106.0 billion. Orders for defense capital goods accounted for about 70 percent of the increase. Excluding defense, orders for durable goods increased 1.2 percent.

Within the major industry categories, transportation equipment had the largest increase, up $3.0 billion or 11.0 percent to $30.3 billion; most of the increase was in defense aircraft and parts and defense shipbuilding. Primary metals were up $0.5 billion or 5.9 percent to $8.7 billion and nonelectrical machinery $0.3 billion or 1.9 percent to $17.1 billion. Electrical machinery declined $0.8 billion or 4.6 percent to $16.3 billion, with most of the decrease in communication equipment.

New orders for nondurable goods increased $0.7 billion or 0.8 percent to $93.1 billion.

SHIPMENTS. Shipments of durable goods in March increased $1.3 billion or 1.2 percent to $104.9 billion. The largest increase was in transportation equipment, up $1.0 billion or 3.6 percent to $28.7 billion; a large increase in aircraft and parts more than offset a $0.6 billion or 3.5 percent decline in motor vehicles and parts. Electrical and nonelectrical machinery increased 1.0 percent and 1.3 percent respectively.

Shipments of nondurable goods increased $0.6 billion or 0.7 percent to $92.6 billion mostly due to a $0.4 billion increase in the tobacco industry, which is very volatile on a month to month basis. Excluding tobacco, shipments were up 0.2 percent.

UNFILLED ORDERS. Unfilled orders for durable goods in March increased $0.9 billion or 0.2 percent to $358.2 billion. An increase in transportation equipment of $1.7 billion or 1.0 percent to $161.4 billion offset most of the $1.8 billion or 2.0 percent decline in electrical machinery. Primary metals increased $0.4 billion or 2.2 percent to $17.0 billion. Unfilled orders for nondurables increased $0.5 billion or 4.1 percent to $12.4 billion, mostly attributable to a large increase in textiles. The unfilled orders to shipments ratio in March was 3.43, down from 3.48 in February.

INVENTORIES. Inventories of durable goods manufacturers declined in March $0.9 billion or 0.4 percent to $207.8 billion. Virtually all categories were down although motor vehicles and parts increased 1.6 percent. Inventories of nondurable goods manufacturers showed no change from February. A $0.5 billion or 1.6 percent decline in chemicals was offset by increases in most of the other industries. By stage of fabrication, materials and supplies and work in process for durables were down, while finished goods showed little change. Conversely, for nondurables, materials and supplies and work in process were up, while finished goods declined.

SCHEDULED RELEASE DATES. The advance report on durable goods for April is scheduled for May 22, 1987, at 8:30 a.m. and the full report on June 2, 1987, at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1987P	Feb. 1987r	Jan. 1987	Mar. 1986r	Feb.-Mar.P	Jan.-Feb.r	Mar.-87/86	Mar. 1987P	Feb. 1987r	Jan. 1987	Mar. 1986	1987P	1986
	All manufacturing industries	197,527	195,608	189,956	185,501	+1.0	+3.0	+6.5	207,054	197,198	174,649	194,457	578,901	560,430
	Manufacturing industries with unfilled orders	108,077	106,142	102,854	101,890	+1.8	+3.2	+6.1	113,898	106,517	93,330	107,379	313,745	302,437
	Durable goods industries	104,889	103,601	99,318	97,729	+1.2	+4.3	+7.3	111,418	104,532	89,625	103,879	305,575	293,386
	With unfilled orders	84,224	82,259	79,339	79,854	+2.4	+3.7	+5.5	89,380	82,566	71,317	84,761	243,263	237,760
32	Stone, clay, and glass products	5,174	5,131	4,963	4,660	+0.8	+3.4	+11.0	5,171	4,806	4,297	4,662	14,274	13,278
33	Primary metals	8,348	8,375	8,002	8,604	-0.3	+4.7	-3.0	8,951	8,694	7,647	9,236	25,292	26,920
331	Blast furnaces, steel mills	3,476	3,468	3,317	3,646	+0.2	+4.6	-4.7	3,695	3,634	3,240	3,881	10,569	11,621
332	Iron and steel foundries	823	823	793	839	0.0	+3.8	-1.9	851	840	747	870	2,438	2,613
333-9	Nonferrous and other primary metals	4,049	4,084	3,892	4,119	-0.9	+4.9	-1.7	4,405	4,220	3,660	4,485	12,285	12,686
34	Fabricated metal products	11,461	11,682	10,885	11,045	-1.9	+7.3	+3.8	11,925	11,657	10,030	11,492	33,612	33,467
35	Machinery, except electrical	17,063	16,841	16,729	17,337	+1.3	+0.7	-1.6	18,710	16,442	14,076	18,958	49,228	50,614
351	Engines and turbines	1,203	1,080	1,030	1,423	+11.4	+4.9	-15.5	1,355	1,134	944	1,576	3,433	3,801
353	Construction, mining, and material handling equipment	2,195	2,016	1,845	2,438	+8.9	+9.3	-10.0	2,219	1,971	1,616	2,466	5,806	7,056
354	Metalworking machinery	784	719	704	740	+9.0	+2.1	+5.9	902	720	589	845	2,211	2,236
357	Office and computing machines	4,472	4,564	4,547	4,601	-2.0	+0.4	-2.8	5,076	3,875	3,024	5,221	11,975	12,103
36	Electrical machinery	18,062	17,876	17,673	16,593	+1.0	+1.1	+8.9	19,374	17,890	15,586	17,779	52,850	48,532
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,157	2,259	2,078	2,134	-4.5	+8.7	+1.1	2,447	2,236	1,826	2,410	6,509	6,364
363	Household appliances	1,533	1,558	1,471	1,352	-1.6	+5.9	+13.4	1,565	1,522	1,367	1,382	4,454	3,883
365	Radio and TV	874	1,031	1,139	992	-15.2	-9.5	-11.9	908	998	1,051	1,029	2,957	2,856
366	Communication equipment	6,156	5,774	5,874	5,637	+6.6	-1.7	+9.2	6,828	5,769	4,837	6,220	17,434	16,408
367	Electronic components	3,934	3,903	3,905	3,694	+0.8	-0.1	+6.5	4,194	3,988	3,611	3,933	11,793	10,873
364,9	Other electrical machinery	3,408	3,351	3,206	2,784	+1.7	+4.5	+22.4	3,432	3,377	2,894	2,805	9,703	8,148
37	Transportation equipment	28,650	27,650	25,456	24,581	+3.6	+8.6	+16.6	30,393	29,281	24,426	26,153	84,100	77,722
371	Motor vehicles and parts	17,529	18,169	16,712	15,090	-3.5	+8.7	+16.2	19,068	19,635	16,322	16,484	55,025	50,638
372,6	Aircraft, missiles, and parts	9,343	7,752	7,181	7,732	+20.5	+8.0	+20.8	9,528	7,918	6,567	7,892	24,013	22,110
3731,95	Shipbuilding and military tank vehicles	774	881	651	904	-12.1	+35.3	-14.4	774	881	651	904	2,306	2,553
38	Instruments and related products	5,177	5,133	4,956	4,968	+0.9	+3.6	+4.2	5,444	5,075	4,439	5,224	14,958	14,782
381-4	Scientific and engineering instruments	3,430	3,383	3,282	3,306	+1.4	+3.1	+3.8	3,660	3,399	3,026	3,526	10,085	10,058
386	Photographic goods	1,583	1,595	1,497	1,487	-0.8	+6.5	+6.5	1,607	1,519	1,279	1,509	4,405	4,176
24,25, 39	All other durable goods	10,954	10,913	10,654	9,941	+0.4	+2.4	+10.2	11,450	10,687	9,124	10,375	31,261	28,071
	Nondurable goods industries	92,638	92,007	90,638	87,772	+0.7	+1.5	+5.5	95,636	92,666	85,024	90,578	273,326	267,044
	With unfilled orders	23,853	23,883	23,515	22,036	-0.1	+1.6	+8.2	24,518	23,951	22,013	22,618	70,482	64,677
20	Food and kindred products	26,901	26,977	27,084	24,952	-0.3	-0.4	+7.8	27,922	27,005	25,019	25,892	79,946	75,215
202	Dairy products	3,874	3,873	3,788	3,430	0.0	+2.2	+12.9	3,917	3,838	3,624	3,469	11,379	10,101
208	Beverages	3,497	3,605	3,699	3,644	-3.0	-2.5	-4.0	3,392	3,263	3,165	3,544	9,820	10,042
203-6,9	All other foods	12,036	12,186	12,356	11,129	-1.2	-1.4	+8.1	13,179	12,720	11,214	12,181	37,113	34,948
21	Tobacco products	1,729	1,304	782	1,755	+32.6	+66.8	-1.5	1,729	1,304	782	1,755	3,815	3,974
22	Textile mill products	4,562	4,638	4,536	4,331	-1.6	+2.2	+5.3	4,991	4,604	3,926	4,741	13,521	13,202
221-4,6, 8,9	Broadwoven fabrics	2,779	2,834	2,695	2,698	-1.9	+5.2	+3.0	3,124	2,854	2,423	3,035	8,401	8,441
26	Paper and allied products	9,396	9,485	9,276	8,163	-0.9	+2.3	+15.1	9,763	9,818	8,983	8,484	28,564	24,725
261-3,6	Pulp, paper etc.	3,967	4,044	4,136	3,459	-1.9	-2.2	+14.7	4,218	4,168	3,936	3,672	12,322	10,291
265	Paperboard containers	2,014	2,015	1,893	1,781	0.0	+6.4	+13.1	2,086	2,036	1,849	1,846	5,971	5,528
264	All other paper products	3,415	3,426	3,247	2,923	-0.3	+5.5	+16.8	3,459	3,614	3,198	2,966	10,271	8,906
28	Chemicals and allied products	17,269	17,137	17,191	16,053	+0.8	-0.3	+7.6	18,385	17,509	16,633	17,175	52,527	50,506
281,6	Industrial chemicals, except pigments	4,882	4,905	4,908	4,689	-0.5	-0.1	+4.1	5,146	5,080	4,644	4,951	14,870	14,467
283,4	Drugs, soaps, and toiletries	5,864	5,983	6,131	5,373	-2.0	-2.4	+9.1	6,163	5,996	5,978	5,654	18,137	16,882
282,9	Other chemical products	4,304	4,077	3,981	3,687	+5.6	+2.4	+16.7	4,610	4,253	3,772	3,949	12,635	11,804
29	Petroleum and coal products	10,258	10,068	10,007	11,295	+1.9	+0.6	-9.2	10,139	9,807	9,768	11,166	29,714	37,741
30	Rubber and plastics products	6,682	6,661	6,314	5,930	+0.3	+5.5	+12.7	6,754	6,730	5,859	5,990	19,343	17,669
23,27, 31	All other nondurable goods	15,841	15,737	15,448	15,293	+0.7	+1.9	+3.6	15,953	15,889	14,054	15,375	45,896	44,012
	Market categories:													
	Home goods and apparel	13,123	13,199	13,164	12,477	-0.6	+0.3	+5.2	13,845	13,530	11,327	13,143	38,702	36,941
	Consumer staples	38,623	38,444	38,088	36,070	+0.5	+0.9	+7.1	39,888	38,283	35,342	37,216	113,513	106,264
	Equipment and defense products, except automotive	32,065	30,269	29,740	31,036	+5.9	+1.8	+3.3	34,493	29,661	25,270	33,308	89,424	88,763
	Automotive equipment	19,544	20,152	18,683	16,962	-3.0	+7.9	+15.2	21,100	21,488	18,149	18,378	60,737	56,077
	Construction materials, supplies and intermediate products	16,310	16,511	15,531	14,877	-1.2	+6.3	+9.6	16,466	15,515	13,275	14,993	45,256	41,183
	Other materials, supplies, and intermediate products	77,862	77,033	74,750	74,079	+1.1	+3.1	+5.1	81,262	78,721	71,286	77,419	231,269	231,202
	Supplementary series:[2]													
	Capital goods industries	37,282	35,187	34,112	35,061	+6.0	+3.2	+6.3	39,777	34,751	29,298	37,411	103,826	100,746
	Nondefense	27,418	26,794	25,836	26,789	+2.3	+3.7	+2.3	29,568	26,166	21,897	28,873	77,631	76,585
	Defense	9,864	8,393	8,276	8,254	+17.5	+1.4	+19.5	10,209	8,585	7,401	8,538	26,195	24,161
	Household durable goods industries	6,083	6,199	6,191	5,727	-1.9	+0.1	+6.2	6,509	6,145	5,326	6,115	17,980	16,612

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1987P	Feb. 1987r	Jan. 1987	Mar. 1986r	Feb.-Mar.P	Jan.-Feb.r	Mar.-87/86	Mar. 1987P	Feb. 1987r	Jan. 1987	Mar. 1986	1987P	1986
	All manufacturing industries	198,893	194,333	186,633	188,769	+2.3	+4.1	+5.4	210,690	198,802	176,432	199,928	585,924	577,156
	Manufacturing industries with unfilled orders	109,443	104,867	99,531	105,158	+4.4	+5.4	+4.1	117,534	108,121	95,113	112,850	320,768	319,163
	Durable goods industries	105,762	101,932	95,544	100,937	+3.8	+6.7	+4.8	114,543	105,609	90,761	109,298	310,913	309,642
	With unfilled orders	85,097	80,590	75,565	83,062	+5.6	+6.6	+2.4	92,505	83,643	72,453	90,180	248,601	254,016
32	Stone, clay, and glass products	5,176	5,090	4,953	4,677	+1.7	+2.8	+10.7	5,236	4,896	4,333	4,741	14,465	13,570
33	Primary metals	8,720	8,231	7,333	8,282	+5.9	+12.2	+5.3	9,957	9,176	8,133	9,471	27,266	29,423
331	Blast furnaces, steel mills	3,733	3,411	2,862	3,653	+9.4	+19.2	+2.2	4,389	4,140	3,409	4,255	11,938	13,095
332	Iron and steel foundries	716	764	762	869	-6.3	+0.3	-17.6	760	791	873	931	2,424	2,896
333-9	Nonferrous and other primary metals	4,271	4,056	3,709	3,760	+5.3	+9.4	+13.6	4,808	4,245	3,851	4,285	12,904	13,432
34	Fabricated metal products	11,403	11,244	10,847	10,708	+1.4	+3.7	+6.5	11,988	11,483	9,992	11,305	33,463	33,375
35	Machinery, except electrical	17,136	16,814	16,020	16,100	+1.9	+5.0	+6.4	18,664	17,395	13,695	17,612	49,754	50,070
351	Engines and turbines	1,499	1,063	676	1,154	+41.0	+57.2	+29.9	1,595	1,079	492	1,255	3,166	3,767
353	Construction, mining, and material handling equipment	2,180	2,072	1,729	2,206	+5.2	+19.8	-1.2	2,188	2,090	1,539	2,225	5,817	6,711
354	Metalworking machinery	787	672	762	708	+17.1	-11.8	+11.2	897	665	636	793	2,198	2,139
357	Office and computing machines	4,385	4,317	3,874	3,991	+1.6	+11.4	+9.9	4,930	4,439	2,467	4,550	11,836	11,626
36	Electrical machinery	16,272	17,053	15,915	16,853	-4.6	+7.2	-3.4	18,926	17,695	14,925	19,471	51,546	52,479
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,169	2,260	2,083	2,074	-4.0	+8.5	+4.6	2,445	2,311	1,885	2,338	6,641	6,428
363	Household appliances	1,554	1,581	1,413	1,347	-1.7	+11.9	+15.4	1,593	1,528	1,346	1,384	4,467	3,870
365	Radio and TV	883	939	1,129	972	-6.0	-16.8	-9.2	917	906	1,041	1,009	2,864	2,804
366	Communication equipment	4,206	4,943	5,101	5,995	-14.9	-3.1	-29.8	5,979	5,387	4,926	7,787	16,292	20,218
367	Electronic components	4,104	3,966	2,949	3,654	+3.5	+34.5	+12.3	4,640	4,155	2,806	4,137	11,601	10,960
364,9	Other electrical machinery	3,356	3,364	3,240	2,811	-0.2	+3.8	+19.4	3,352	3,408	2,921	2,816	9,681	8,199
37	Transportation equipment	30,306	27,302	24,212	29,328	+11.0	+12.8	+3.3	32,309	29,015	25,492	31,048	86,816	87,226
372,6	Aircraft, missiles, and parts	9,911	7,848	6,581	9,934	+26.3	+19.3	-0.2	10,239	7,910	7,838	10,308	25,987	29,637
3731,95	Shipbuilding and military tank vehicles	1,735	414	40	3,227	+319.1	+935.0	-46.2	1,847	436	308	3,216	2,591	3,980
38	Instruments and related products	5,227	5,088	5,183	4,854	+2.7	-1.8	+7.7	5,501	5,044	4,682	5,112	15,227	14,777
381-4	Scientific and engineering instruments	3,461	3,280	3,507	3,298	+5.5	-6.5	+4.9	3,691	3,296	3,251	3,518	10,238	10,004
24,25, 39	All other durable goods	11,522	11,110	11,081	10,135	+3.7	+0.3	+13.7	11,962	10,905	9,509	10,538	32,376	28,722
	Nondurable goods industries	93,131	92,401	91,089	87,832	+0.8	+1.4	+6.0	96,147	93,193	85,671	90,630	275,011	267,514
	With unfilled orders	24,346	24,277	23,966	22,096	+0.3	+1.3	+10.2	25,029	24,478	22,660	22,670	72,167	65,147
	Market categories:													
	Home goods and apparel	13,525	13,446	13,613	12,779	+0.6	-1.2	+5.8	14,226	13,848	11,848	13,423	39,922	37,934
	Consumer staples	38,632	38,442	38,033	36,176	+0.5	+1.1	+6.8	39,854	38,284	35,369	37,278	113,507	106,393
	Equipment and defense products, except automotive	30,821	29,129	27,231	33,394	+5.8	+7.0	-7.7	34,483	29,936	26,131	36,979	90,550	97,447
	Automotive equipment	19,668	20,179	18,647	17,157	-2.5	+8.2	+14.6	21,229	21,679	18,284	18,518	61,192	56,627
	Construction materials, supplies and intermediate products	16,295	16,122	15,424	14,530	+1.1	+4.5	+12.1	16,614	15,402	13,237	14,819	45,253	41,477
	Other materials, supplies, and intermediate products	79,952	77,015	73,685	74,733	+3.8	+4.5	+7.0	84,284	79,653	71,563	78,911	235,500	237,278
	Supplementary series:[2]													
	Capital goods industries	37,021	33,836	31,476	38,827	+9.4	+7.5	-4.7	40,679	34,818	30,010	42,420	105,507	112,994
	Nondefense	27,320	26,856	26,777	26,613	+1.7	+0.3	+2.7	29,277	27,279	23,185	28,528	79,741	78,419
	Defense	9,701	6,980	4,699	12,214	+39.0	+48.5	-20.6	11,402	7,539	6,825	13,892	25,766	34,575
	Household durable goods industries	6,468	6,292	6,533	5,997	+2.8	-3.7	+7.9	6,852	6,268	5,741	6,351	18,861	17,465

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Mar. 1987p	Feb. 1987r	Jan. 1987	Mar. 1986r	Feb.-Mar.p	Jan.-Feb.r	Mar.-87/86	Mar. 1987p	Feb. 1987r	Jan. 1987	Mar. 1986
	All manufacturing industries	370,617	369,251	370,526	379,681	+0.4	-0.3	-2.4	377,433	373,797	372,193	386,653
	Durable goods industries	358,175	357,302	358,971	369,065	+0.2	-0.5	-3.0	364,874	361,749	360,672	375,930
32	Stone, clay, and glass products	2,498	2,496	2,537	2,709	+0.1	-1.6	-7.8	2,621	2,556	2,466	2,840
33	Primary metals	17,006	16,634	16,778	17,142	+2.2	-0.9	-0.8	18,701	17,695	17,213	18,808
331	Blast furnaces, steel mills	8,973	8,716	8,773	8,422	+2.9	-0.6	+6.5	10,220	9,526	9,020	9,595
332	Iron and steel foundries	2,605	2,712	2,771	2,588	-3.9	-2.1	+0.7	2,662	2,753	2,802	2,645
333-9	Nonferrous and other primary metals	5,428	5,206	5,234	6,132	+4.3	-0.5	-11.5	5,819	5,416	5,391	6,568
34	Fabricated metal products	18,443	18,501	18,939	19,477	-0.3	-2.3	-5.3	18,548	18,485	18,659	19,610
35	Machinery, except electrical	54,862	54,789	54,816	60,011	+0.1	0.0	-8.6	55,084	55,130	54,177	60,217
351	Engines and turbines	14,306	14,010	14,027	16,429	+2.1	-0.1	-12.9	14,238	13,998	14,053	16,357
353	Construction, mining, and material handling equipment	4,286	4,301	4,245	5,244	-0.3	+1.3	-18.3	4,346	4,377	4,258	5,318
354	Metalworking machinery	3,136	3,133	3,180	3,597	+0.1	-1.5	-12.8	3,042	3,047	3,102	3,491
357	Office and computing machines	18,439	18,526	18,773	20,034	-0.5	-1.3	-8.0	18,494	18,640	18,076	20,064
36	Electrical machinery	89,561	91,351	92,174	92,524	-2.0	-0.9	-3.2	91,266	91,714	91,909	94,330
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,433	5,421	5,420	5,801	+0.2	0.0	-6.3	5,460	5,462	5,387	5,832
363	Household appliances	282	261	238	339	+8.0	+9.7	-16.8	276	248	242	331
365	Radio and TV	270	261	353	383	+3.4	-26.1	-29.5	270	261	353	383
366	Communication equipment	66,557	68,507	69,338	67,922	-2.8	-1.2	-2.0	68,144	68,993	69,375	69,599
367	Electronic components	15,301	15,131	15,068	16,418	+1.1	+0.4	-6.8	15,439	14,993	14,826	16,558
364,9	Other electrical machinery	1,718	1,770	1,757	1,661	-2.9	+0.7	+3.4	1,677	1,757	1,726	1,627
37	Transportation equipment	161,379	159,723	160,071	163,578	+1.0	-0.2	-1.3	164,505	162,589	162,855	166,733
372,6	Aircraft, missiles, and parts	138,244	137,676	137,580	138,253	+0.4	+0.1	0.0	140,700	139,989	139,997	140,698
3731,95	Shipbuilding and military tank vehicles	17,261	16,300	16,767	18,974	+5.9	-2.8	-9.0	17,631	16,558	17,003	19,386
38	Instruments and related products	8,443	8,393	8,438	8,466	+0.6	-0.5	-0.3	8,444	8,387	8,418	8,467
381-4	Scientific and engineering instruments	7,557	7,526	7,629	7,532	+0.4	-1.4	+0.3	7,557	7,526	7,629	7,532
24,25, 39	All other durable goods	5,983	5,415	5,218	5,158	+10.5	+3.8	+16.0	5,705	5,193	4,975	4,925
	Nondurable goods industries	12,442	11,949	11,555	10,616	+4.1	+3.4	+17.2	12,559	12,048	11,521	10,723
	Market categories:											
	Home goods and apparel	4,599	4,197	3,950	4,301	+9.6	+6.3	+6.9	4,552	4,171	3,853	4,256
	Consumer staples	736	727	729	866	+1.2	-0.3	-15.0	757	791	790	890
	Equipment and defense products, except automotive	234,649	235,893	237,033	240,741	-0.5	-0.5	-2.5	239,113	239,123	238,848	245,356
	Automotive equipment	5,659	5,535	5,508	5,983	+2.2	+0.5	-5.4	5,959	5,830	5,639	6,281
	Construction materials, supplies and intermediate products	9,985	10,000	10,389	10,630	-0.1	-3.7	-6.1	10,085	9,937	10,050	10,755
	Other materials, supplies, and intermediate products	114,989	112,899	112,917	117,160	+1.9	0.0	-1.9	116,967	113,945	113,013	119,115
	Supplementary series:[2]											
	Capital goods industries	286,424	286,685	288,036	295,371	-0.1	-0.5	-3.0	290,995	290,093	290,026	300,061
	Nondefense	128,972	129,070	129,008	130,402	-0.1	0.0	-1.1	129,130	129,421	128,308	130,558
	Defense	157,452	157,615	159,028	164,969	-0.1	-0.9	-4.6	161,865	160,672	161,718	169,503
	Household durable goods industries	3,910	3,525	3,432	3,700	+10.9	+2.7	+5.7	3,841	3,498	3,375	3,640

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Mar. 1987p	Feb. 1987r	Jan. 1987	Mar. 1986r	Feb.-Mar.p	Jan.-Feb.r	Mar.-87/86	Mar. 1987p	Feb. 1987r	Jan. 1987	Mar. 1986
	All manufacturing industries	319,590	320,535	320,689	323,774	-0.3	0.0	-1.3	320,271	321,166	318,669	324,367
	Manufacturing industries with unfilled orders	216,993	217,784	218,201	220,951	-0.4	-0.2	-1.8	217,335	217,155	215,316	221,210
	Durable goods industries	207,752	208,644	209,090	212,697	-0.4	-0.2	-2.3	208,590	208,809	206,933	213,456
	With unfilled orders	190,574	191,644	192,215	195,606	-0.6	-0.3	-2.6	190,823	191,114	189,773	195,786
32	Stone, clay, and glass products	7,032	6,990	7,189	7,006	+0.6	-2.8	+0.4	7,203	7,082	7,095	7,178
33	Primary metals	16,571	16,859	17,225	18,990	-1.7	-2.1	-12.7	16,438	16,585	16,942	18,795
331	Blast furnaces, steel mills	7,483	7,618	7,834	9,298	-1.8	-2.8	-19.5	7,229	7,370	7,635	8,974
332	Iron and steel foundries	1,125	1,113	1,110	1,211	+1.1	+0.3	-7.1	1,182	1,146	1,105	1,272
333-9	Nonferrous and other primary metals	7,963	8,128	8,281	8,481	-2.0	-1.8	-6.1	8,027	8,069	8,202	8,549
34	Fabricated metal products	21,382	21,367	21,373	21,856	+0.1	0.0	-2.2	21,592	21,378	21,193	22,064
35	Machinery, except electrical	40,993	41,384	41,418	44,623	-0.9	-0.1	-8.1	41,092	41,540	41,055	44,711
351	Engines and turbines	2,810	2,808	2,788	2,829	+0.1	+0.7	-0.7	2,775	2,778	2,698	2,797
353	Construction, mining, and material handling equipment	6,727	6,851	6,872	7,513	-1.8	-0.3	-10.5	6,767	6,895	6,834	7,561
354	Metalworking machinery	2,950	3,008	2,967	2,995	-1.9	+1.4	-1.5	2,941	3,017	2,937	2,987
357	Office and computing machines	9,567	9,718	9,787	11,795	-1.6	-0.7	-18.9	9,471	9,674	9,590	11,677
36	Electrical machinery	38,952	39,085	39,049	38,421	-0.3	+0.1	+1.4	38,926	38,834	38,531	38,401
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,014	4,983	4,934	5,105	+0.6	+1.0	-1.8	4,980	4,967	4,897	5,070
363	Household appliances	2,765	2,761	2,708	2,615	+0.1	+2.0	+5.7	2,900	2,787	2,669	2,739
365	Radio and TV	1,830	1,792	1,737	1,459	+2.1	+3.2	+25.4	1,726	1,678	1,609	1,376
366	Communication equipment	15,984	16,218	16,274	15,909	-1.4	-0.3	+0.5	15,984	16,193	16,165	15,912
367	Electronic components	7,703	7,689	7,733	7,629	+0.2	-0.6	+1.0	7,680	7,639	7,681	7,606
364,9	Other electrical machinery	5,656	5,642	5,663	5,704	+0.2	-0.4	-0.8	5,656	5,570	5,510	5,698
37	Transportation equipment	53,260	53,311	53,373	52,980	-0.1	-0.1	+0.5	53,650	53,539	52,716	53,353
371	Motor vehicles and parts	11,232	11,059	11,067	11,513	+1.6	-0.1	-2.4	11,397	11,336	11,183	11,675
372,6	Aircraft, missiles, and parts	38,265	38,566	38,742	37,936	-0.8	-0.5	+0.9	38,481	38,465	37,946	38,146
3731,95	Shipbuilding and military tank vehicles	2,061	2,002	1,993	1,790	+2.9	+0.5	+15.1	2,044	1,972	1,950	1,767
38	Instruments and related products	12,479	12,681	12,615	12,560	-1.6	+0.5	-0.6	12,434	12,566	12,391	12,517
381-4	Scientific and engineering instruments	8,996	9,090	9,088	9,115	-1.0	0.0	-1.3	8,987	9,039	8,950	9,107
386	Photographic goods	2,876	2,984	2,941	2,879	-3.6	+1.5	-0.1	2,839	2,925	2,864	2,843
24,25, 39	All other durable goods	17,083	16,967	16,848	16,261	+0.7	+0.7	+5.1	17,255	17,285	17,010	16,438
	Nondurable goods industries	111,838	111,891	111,599	111,077	0.0	+0.3	+0.7	111,681	112,357	111,736	110,911
	With unfilled orders	26,419	26,140	25,986	25,345	+1.1	+0.6	+4.2	26,512	26,041	25,543	25,424
20	Food and kindred products	23,720	23,677	23,792	23,451	+0.2	-0.5	+1.1	23,315	23,966	24,292	23,053
202	Dairy products	2,065	2,034	2,026	1,750	+1.5	+0.4	+18.0	2,086	2,002	1,991	1,767
208	Beverages	4,673	4,634	4,674	4,639	+0.8	-0.9	+0.7	4,785	4,741	4,711	4,748
203-6,9	All other foods	13,890	13,961	14,108	13,941	-0.5	-1.0	-0.4	13,293	13,963	14,407	13,356
21	Tobacco products	5,683	5,639	5,658	5,879	+0.8	-0.3	-3.3	5,853	5,976	6,051	6,059
22	Textile mill products	6,866	6,806	6,755	7,026	+0.9	+0.8	-2.3	6,952	6,820	6,669	7,116
221-4,6, 8,9	Broadwoven fabrics	3,801	3,822	3,837	4,186	-0.5	-0.4	-9.2	3,854	3,855	3,793	4,244
26	Paper and allied products	10,827	10,684	10,555	10,005	+1.3	+1.2	+8.2	10,919	10,719	10,530	10,086
261-3,6	Pulp, paper etc.	4,178	4,166	4,098	3,929	+0.3	+1.7	+6.3	4,236	4,212	4,132	3,980
265	Paperboard containers	2,735	2,702	2,657	2,446	+1.2	+1.7	+11.8	2,765	2,711	2,671	2,472
264	All other paper products	3,914	3,816	3,800	3,630	+2.6	+0.4	+7.8	3,918	3,796	3,727	3,634
28	Chemicals and allied products	26,833	27,283	27,286	25,654	-1.6	0.0	+4.6	26,937	27,340	27,171	25,772
281,6	Industrial chemicals, except pigments	8,091	8,218	8,179	7,738	-1.5	+0.5	+4.6	8,091	8,218	8,179	7,738
283,4	Drugs, soaps, and toiletries	8,617	8,811	8,716	8,043	-2.2	+1.1	+7.1	8,548	8,693	8,554	7,977
282,9	Other chemical products	6,416	6,515	6,522	5,974	-1.5	-0.1	+7.4	6,422	6,516	6,506	5,977
29	Petroleum and coal products	10,418	10,225	9,968	11,590	+1.9	+2.6	-10.1	10,154	10,215	10,057	11,284
30	Rubber and plastics products	8,551	8,634	8,660	8,686	-1.0	-0.3	-1.6	8,777	8,670	8,540	8,922
23,27, 31	All other nondurable goods	18,940	18,943	18,925	18,786	0.0	+0.1	+0.8	18,774	18,651	18,426	18,619
	Market categories:											
	Home goods and apparel	25,597	25,550	25,339	24,578	+0.2	+0.8	+4.1	25,422	25,311	24,965	24,424
	Consumer staples	41,515	41,563	41,637	40,505	-0.1	-0.2	+2.5	41,226	41,923	42,102	40,227
	Equipment and defense products, except automotive	91,537	92,140	92,373	94,985	-0.7	-0.3	-3.6	91,769	92,390	91,527	95,214
	Automotive equipment	13,632	13,482	13,382	14,123	+1.1	+0.7	-3.5	13,906	13,884	13,553	14,403
	Construction materials, supplies and intermediate products	22,881	22,777	23,027	22,974	+0.5	-1.1	-0.4	23,316	23,061	22,851	23,415
	Other materials, supplies, and intermediate products	124,428	125,023	124,931	126,609	-0.5	+0.1	-1.7	124,632	124,597	123,671	126,685
	Supplementary series:[2]											
	Capital goods industries	105,466	106,264	106,395	108,258	-0.8	-0.1	-2.6	105,648	106,082	104,856	108,412
	Nondefense	71,471	72,044	72,231	75,791	-0.8	-0.3	-5.7	71,365	71,963	71,383	75,653
	Defense	33,995	34,220	34,164	32,467	-0.7	+0.2	+4.7	34,283	34,119	33,473	32,759
	Household durable goods industries	13,245	13,196	13,094	12,110	+0.4	+0.8	+9.4	13,205	13,145	12,911	12,087

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Mar. 1987[p]	Feb. 1987[r]	Jan. 1987	Mar. 1986[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Mar.-87/86	Mar. 1987[p]	Feb. 1987[r]	Jan. 1987	Mar. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	102,460	102,522	102,847	102,944	-0.1	-0.3	-0.5	102,545	102,968	103,437	102,952
	Durable goods industries	59,252	59,499	59,817	60,500	-0.4	-0.5	-2.1	58,966	59,394	59,740	60,152
32	Stone, clay, and glass products	2,277	2,253	2,256	2,260	+1.1	-0.1	+0.8	2,267	2,246	2,247	2,247
33	Primary metals	5,419	5,479	5,644	6,037	-1.1	-2.9	-10.2	5,184	5,374	5,636	5,764
34	Fabricated metal products	7,327	7,367	7,426	7,912	-0.5	-0.8	-7.4	7,312	7,301	7,383	7,892
35	Machinery, except electrical	11,469	11,653	11,697	11,642	-1.6	-0.4	-1.5	11,473	11,612	11,666	11,633
36	Electrical machinery	10,215	10,259	10,356	10,336	-0.4	-0.9	-1.2	10,230	10,263	10,294	10,347
37	Transportation equipment	12,148	12,058	12,094	12,133	+0.7	-0.3	+0.1	12,165	12,117	12,048	12,156
38	Instruments and related products	4,023	4,080	4,018	4,034	-1.4	+1.5	-0.3	4,028	4,060	4,009	4,036
24,25, 39	All other durable goods	6,374	6,350	6,326	6,146	+0.4	+0.4	+3.7	6,307	6,421	6,457	6,077
	Nondurable goods industries	43,208	43,023	43,030	42,444	+0.4	0.0	+1.8	43,579	43,574	43,697	42,800
20	Food and kindred products	8,788	8,682	8,771	8,212	+1.2	-1.0	+7.0	8,901	9,007	9,183	8,329
21	Tobacco products	4,803	4,730	4,745	4,919	+1.5	-0.3	-2.4	4,911	5,000	5,117	5,029
22	Textile mill products	1,795	1,854	1,790	2,001	-3.2	+3.6	-10.3	1,837	1,872	1,768	2,048
26	Paper and allied products	5,546	5,482	5,348	5,181	+1.2	+2.5	+7.0	5,596	5,527	5,352	5,225
28	Chemicals and allied products	9,073	8,990	9,056	8,390	+0.9	-0.7	+8.1	9,090	8,938	9,086	8,412
29	Petroleum and coal products	3,006	3,076	3,003	3,552	-2.3	+2.4	-15.4	2,978	3,085	2,994	3,490
30	Rubber and plastics products	3,189	3,224	3,240	3,214	-1.1	-0.5	-0.8	3,214	3,184	3,216	3,240
23,27, 31	All other nondurable goods	7,008	6,985	7,077	6,975	+0.3	-1.3	+0.5	7,052	6,961	6,981	7,027
	WORK IN PROCESS											
	All manufacturing industries	112,911	113,531	113,212	115,616	-0.5	+0.3	-2.3	113,575	113,607	111,699	116,225
	Durable goods industries	94,897	95,617	95,589	97,998	-0.8	0.0	-3.2	95,573	95,619	94,183	98,646
32	Stone, clay, and glass products	960	967	1,038	1,074	-0.7	-6.8	-10.6	1,002	999	1,035	1,121
33	Primary metals	6,528	6,626	6,609	7,099	-1.5	+0.3	-8.0	6,560	6,505	6,460	7,105
34	Fabricated metal products	7,573	7,592	7,475	7,457	-0.3	+1.6	+1.6	7,649	7,547	7,305	7,535
35	Machinery, except electrical	16,727	16,784	16,733	19,021	-0.3	+0.3	-12.1	16,933	16,910	16,539	19,236
36	Electrical machinery	19,799	20,062	20,034	19,711	-1.3	+0.1	+0.4	19,727	19,970	19,856	19,650
37	Transportation equipment	34,883	35,076	35,233	35,015	-0.6	-0.4	-0.4	35,247	35,215	34,645	35,353
38	Instruments and related products	4,839	4,913	4,933	5,073	-1.5	-0.4	-4.6	4,860	4,836	4,795	5,094
24,25, 39	All other durable goods	3,588	3,597	3,534	3,548	-0.3	+1.8	+1.1	3,595	3,637	3,548	3,552
	Nondurable goods industries	18,014	17,914	17,623	17,618	+0.6	+1.7	+2.2	18,002	17,988	17,516	17,579
20	Food and kindred products	2,375	2,379	2,403	2,513	-0.2	-1.0	-5.5	2,436	2,451	2,451	2,577
21	Tobacco products	130	153	131	109	-15.0	+16.8	+19.3	130	153	132	109
22	Textile mill products	2,119	2,111	2,207	2,028	+0.4	-4.3	+4.5	2,146	2,115	2,207	2,055
26	Paper and allied products	1,236	1,222	1,230	1,146	+1.1	-0.7	+7.9	1,225	1,199	1,214	1,135
28	Chemicals and allied products	4,186	4,174	4,172	4,008	+0.3	0.0	+4.4	4,073	4,154	4,078	3,904
29	Petroleum and coal products	2,186	2,141	1,950	2,568	+2.1	+9.8	-14.9	2,165	2,147	1,944	2,523
30	Rubber and plastics products	1,392	1,432	1,416	1,374	-2.8	+1.1	+1.3	1,388	1,427	1,418	1,366
23,27, 31	All other nondurable goods	4,390	4,302	4,114	3,872	+2.0	+4.6	+13.4	4,439	4,342	4,072	3,910
	FINISHED GOODS											
	All manufacturing industries	104,219	104,482	104,630	105,214	-0.3	-0.1	-0.9	104,151	104,591	103,533	105,190
	Durable goods industries	53,603	53,528	53,684	54,199	+0.1	-0.3	-1.1	54,051	53,796	53,010	54,658
32	Stone, clay, and glass products	3,795	3,770	3,895	3,672	+0.7	-3.2	+3.3	3,934	3,837	3,813	3,810
33	Primary metals	4,624	4,754	4,972	5,854	-2.7	-4.4	-21.0	4,694	4,706	4,846	5,926
34	Fabricated metal products	6,482	6,408	6,472	6,487	+1.2	-1.0	-0.1	6,631	6,530	6,505	6,637
35	Machinery, except electrical	12,797	12,947	12,988	13,960	-1.2	-0.3	-8.3	12,686	13,018	12,850	13,842
36	Electrical machinery	8,938	8,764	8,659	8,374	+2.0	+1.2	+6.7	8,969	8,601	8,381	8,404
37	Transportation equipment	6,229	6,177	6,046	5,832	+0.8	+2.2	+6.8	6,238	6,207	6,023	5,844
38	Instruments and related products	3,617	3,688	3,664	3,453	-1.9	+0.7	+4.7	3,546	3,670	3,587	3,387
24,25, 39	All other durable goods	7,121	7,020	6,988	6,567	+1.4	+0.5	+8.4	7,353	7,227	7,005	6,809
	Nondurable goods industries	50,616	50,954	50,946	51,015	-0.7	0.0	-0.8	50,100	50,795	50,523	50,532
20	Food and kindred products	12,557	12,616	12,618	12,726	-0.5	0.0	-1.3	11,978	12,508	12,658	12,147
21	Tobacco products	750	756	782	851	-0.8	-3.3	-11.9	812	823	802	921
22	Textile mill products	2,952	2,841	2,758	2,997	+3.9	+3.0	-1.5	2,969	2,833	2,694	3,013
26	Paper and allied products	4,045	3,980	3,977	3,678	+1.6	+0.1	+10.0	4,098	3,993	3,964	3,726
28	Chemicals and allied products	13,574	14,119	14,058	13,256	-3.9	+0.4	+2.4	13,774	14,248	14,007	13,456
29	Petroleum and coal products	5,226	5,008	5,015	5,470	+4.4	-0.1	-4.5	5,011	4,983	5,119	5,271
30	Rubber and plastics products	3,970	3,978	4,004	4,098	-0.2	-0.6	-3.1	4,175	4,059	3,906	4,316
23,27, 31	All other nondurable goods	7,542	7,656	7,734	7,939	-1.5	-1.0	-5.0	7,283	7,348	7,373	7,682

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Mar. 1987[p]	Feb. 1987[r]	Jan. 1987	Mar. 1986[r]	Mar. 1987[p]	Feb. 1987[r]	Jan. 1987	Mar. 1986[r]
	All manufacturing industries	1.62	1.64	1.69	1.75	3.43	3.48	3.60	3.73
	Durable goods industries	1.98	2.01	2.11	2.18	4.25	4.34	4.52	4.62
32	Stone, clay, and glass products	1.36	1.36	1.45	1.50	0.53	0.53	0.56	0.64
33	Primary metals	1.99	2.01	2.15	2.21	2.04	1.99	2.10	1.99
34	Fabricated metal products	1.87	1.83	1.96	1.98	1.77	1.75	1.93	1.93
35	Machinery, except electrical	2.40	2.46	2.48	2.57	3.41	3.46	3.47	3.65
36	Electrical machinery	2.16	2.19	2.21	2.32	4.96	5.11	5.22	5.58
37	Transportation equipment	1.86	1.93	2.10	2.16	9.90	10.83	11.82	11.61
38	Instruments and related products	2.41	2.47	2.55	2.53	1.63	1.64	1.70	1.70
	Nondurable goods industries	1.21	1.22	1.23	1.27	0.52	0.50	0.49	0.48
20	Food and kindred products	0.88	0.88	0.88	0.94	(X)	(X)	(X)	(X)
21	Tobacco products	3.29	4.32	7.24	3.35	(X)	(X)	(X)	(X)
22	Textile mill products	1.51	1.47	1.49	1.62	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.15	1.13	1.14	1.23	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.55	1.59	1.59	1.60	(X)	(X)	(X)	(X)
29	Petroleum and coal products	1.02	1.02	1.00	1.03	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.28	1.30	1.37	1.46	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Mar. 1986	All Mars. 1982-1986	Mar. 1986-Feb. 1987	Year ago Mar. 1986	All Mars. 1982-1986	Mar. 1986-Feb. 1987	Year ago Mar. 1986	All Mars. 1982-1986	Mar. 1986-Feb. 1987	Year ago Mar. 1986	All Mars. 1982-1986	Mar. 1986-Feb. 1987
	All manufacturing industries	0.3	0.1	0.3	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.2	0.2	0.4	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products	0.7	0.6	1.3	0.6	0.6	1.4	0.2	1.0	0.8	0.7	0.6	0.5
33	Primary metals	0.0	1.0	0.4	0.7	1.8	0.4	0.4	0.8	0.2	0.2	0.3	0.3
34	Fabricated metal products	1.3	1.1	1.1	0.8	1.5	1.2	0.4	0.4	0.5	0.3	0.3	0.2
35	Machinery, except electrical	0.4	0.3	0.5	4.2	1.4	1.0	1.1	0.3	0.2	0.1	0.2	0.2
36	Electrical machinery	0.2	0.4	0.3	0.2	0.8	0.6	0.1	0.2	0.1	0.3	0.2	0.2
37	Transportation equipment	0.0	1.0	0.2	0.0	1.7	1.0	0.0	0.3	0.2	0.0	0.3	0.1
38	Instruments and related products	0.6	1.2	1.4	0.9	1.5	1.6	0.8	0.7	0.4	0.2	0.5	0.2
	Nondurable goods industries	0.3	0.3	0.3	0.3	0.2	0.4	0.3	0.4	0.6	0.1	0.1	0.2
20	Food and kindred products	0.1	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.2
21	Tobacco products	2.7	1.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.2
22	Textile mill products	4.7	1.8	1.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.6	0.8
26	Paper and allied products	0.1	0.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.4
28	Chemicals and allied product	0.4	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.4
29	Petroleum and coal products	0.3	0.7	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.8	1.1	0.7
30	Rubber and plastics products	1.3	1.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.4
	Capital goods industries:												
	Nondefense	0.4	0.8	0.4	2.1	2.6	0.6	0.4	0.2	0.1	0.0	0.1	0.1
	Defense	0.1	1.5	0.6	0.0	2.6	3.3	0.0	0.3	0.2	0.1	0.4	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

April 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(87)-4
For Wire Transmission 10:00 a.m. E.D.T. Tuesday, June 2, 1987

(All Figures in text are in seasonally adjusted current dollars)

3.158:
M 3-1 (87)-4

SUMMARY. New orders for manufactured goods in April showed a slight increase, up $0.4 billion or 0.2 percent to $199.8 billion. This follows increases of 2.6 percent in March and 4.1 percent in February. Excluding orders for defense capital goods, new orders declined 0.2 percent in April and increased 1.1 percent in March and 3.0 percent in February.

Shipments of manufactured goods declined in April $2.0 billion or 1.0 percent to $195.5 billion, offsetting last month's 0.9 percent increase. Shipments in 1987 have averaged 0.8 percent more per month than the same period last year.

Unfilled orders for manufactured goods in April increased $4.3 billion or 1.2 percent to $375.6 billion, following a 0.5 percent increase in March. Prior to that, unfilled orders had generally been declining.

Inventories in April increased $0.7 billion or 0.2 percent to $320.8 billion, following a 0.1 percent decline in March. The inventory to shipments ratio in April was 1.64, up from 1.62 in March.

NEW ORDERS. New orders for manufactured durable goods in April were unchanged from March at $106.2 billion, with large offsetting movements in several major industries. Orders for electrical machinery increased $3.2 billion or 19.3 percent to $19.7 billion; nearly all of the increase was for defense communication equipment, where the level had been low for the previous three months. Primary metals increased $0.5 billion or 5.4 percent to $9.3 billion, the third consecutive monthly increase.

New orders for transportation equipment in April declined $2.3 billion or 7.6 percent to $27.9 billion, with decreases in all subcategories. This decline followed increases in March of 10.8 percent and February of 12.8 percent. Orders for nonelectrical machinery declined $0.2 billion or 0.9 percent to $17.1 billion. Orders for all other durable categories declined, except lumber and wood which increased slightly. New orders for nondurable goods increased $0.4 billion or 0.4 percent to $93.6 billion. Excluding the volatile tobacco industry, the increase was 1.1 percent.

SHIPMENTS. Shipments of durable goods in April declined $2.3 billion or 2.2 percent to $102.4 billion. Most of the major industries were down. Transportation equipment declined $1.6 billion or 5.7 percent to $26.9 billion; both aircraft and parts and motor vehicles and parts were down. Nonelectrical machinery declined $0.3 billion or 1.7 percent to $16.7 billion; electrical machinery was down $0.2 billion or 1.2 percent to $17.8 billion; and fabricated metals down $0.2 billion or 1.8 percent to $11.3 billion.

Shipments of nondurable goods increased $0.4 billion or 0.4 percent to $93.1 billion. The largest increases were in foods, chemicals, and textiles. Partially offsetting the increases was a decline in tobacco products of $0.6 billion or 33.3 percent to $1.2 billion.

Unfilled orders for durable goods increased $3.8 billion or 1.1 percent to $362.6 billion. This is the largest one month increase since June 1985. Nearly half of the April increase was in electrical machinery, up $1.8 billion or 2.1 percent to $91.6 billion. Transportation equipment increased $1.1 billion or 0.7 percent to $162.5 billion and primary metals $0.8 billion or 4.8 percent to $17.8 billion. This is the highest the primary metals orders backlog has been since the $18.0 billion in September 1984.

INVENTORIES. Inventories of durable goods and nondurable goods manufacturers in April each increased 0.2 percent; durables increased $0.5 billion to $208.5 billion and nondurables $0.2 billion to $112.3 billion. Increases in the durable goods industries were relatively widespread while most of the nondurable goods increase was in foods.

The increase in inventories in April was primarily in materials and supplies, where durables increased 0.9 percent and nondurables 1.1 percent. Finished goods declined in both sectors; durables were down 0.6 percent and nondurables 0.3 percent. Work in process was unchanged, with an increase in durables offsetting a decline in nondurables.

SCHEDULED RELEASE DATES. The advance report on durable goods for May is scheduled for June 23, 1987, at 8:30 a.m. and the full report on June 30, 1987, at 10:00 a.m.

JUN 2 1 199

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1987P	Mar. 1987r	Feb. 1987	Apr. 1986r	Mar.-Apr.P	Feb.-Mar.r	Apr.-87/86	Apr. 1987P	Mar. 1987r	Feb. 1987	Apr. 1986	1987P	1986
	All manufacturing industries	195,470	197,430	195,608	189,276	-1.0	+0.9	+3.3	196,052	206,876	197,198	190,018	774,775	750,448
	Manufacturing industries with unfilled orders	106,457	108,292	106,142	103,293	-1.7	+2.0	+3.1	106,193	114,085	106,517	103,097	420,125	405,534
	Durable goods industries	102,412	104,750	103,601	100,941	-2.2	+1.1	+1.5	103,992	111,404	104,532	102,465	409,553	395,851
	With unfilled orders	82,193	84,340	82,259	81,526	-2.5	+2.5	+0.8	82,307	89,480	82,566	81,666	325,670	319,426
32	Stone, clay, and glass products	5,069	5,140	5,131	4,813	-1.4	+0.2	+5.3	5,259	5,130	4,806	4,979	19,492	18,257
33	Primary metals	8,452	8,395	8,375	8,701	+0.7	+0.2	-2.9	8,978	8,950	8,694	9,223	34,269	36,143
331	Blast furnaces, steel mills	3,596	3,510	3,468	3,665	+2.5	+1.2	-1.9	3,855	3,713	3,634	3,920	14,442	15,541
332	Iron and steel foundries	782	813	823	914	-3.8	-1.2	-14.4	825	851	840	965	3,263	3,578
333-9	Nonferrous and other primary metals	4,074	4,072	4,084	4,122	0.0	-0.3	-1.2	4,298	4,386	4,220	4,338	16,564	17,024
34	Fabricated metal products	11,287	11,498	11,682	11,616	-1.8	-1.6	-2.8	11,405	11,954	11,657	11,734	45,046	45,201
35	Machinery, except electrical	16,742	17,035	16,841	17,664	-1.7	+1.2	-5.2	16,742	18,685	16,442	17,612	65,945	68,226
351	Engines and turbines	1,108	1,199	1,080	1,117	-7.6	+11.0	-0.8	1,226	1,346	1,134	1,231	4,650	5,032
353	Construction, mining, and material handling equipment	2,086	2,152	2,016	2,435	-3.1	+6.7	-14.3	2,157	2,189	1,971	2,510	7,933	9,566
354	Metalworking machinery	710	792	719	737	-10.4	+10.2	-3.7	674	906	720	703	2,889	2,939
357	Office and computing machines	4,334	4,439	4,564	4,674	-2.4	-2.7	-7.3	3,732	5,048	3,875	4,027	15,679	16,130
36	Electrical machinery	17,823	18,038	17,876	16,624	-1.2	+0.9	+7.2	17,333	19,323	17,890	16,213	70,132	64,745
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,206	2,142	2,259	2,078	+3.0	-5.2	+6.2	2,160	2,419	2,236	2,040	8,641	8,404
363	Household appliances	1,572	1,541	1,558	1,369	+2.0	-1.1	+14.8	1,548	1,567	1,522	1,348	6,004	5,231
365	Radio and TV	989	873	1,031	985	+13.3	-15.3	+0.4	886	908	998	883	3,843	3,739
366	Communication equipment	5,831	6,164	5,774	5,607	-5.4	+6.8	+4.0	5,656	6,829	5,769	5,459	23,091	21,867
367	Electronic components	3,778	3,941	3,903	3,702	-4.1	+1.0	+2.1	3,857	4,210	3,988	3,780	15,666	14,653
364,9	Other electrical machinery	3,447	3,377	3,351	2,883	+2.1	+0.8	+19.6	3,226	3,390	3,377	2,703	12,887	10,851
37	Transportation equipment	26,887	28,498	27,650	26,462	-5.7	+3.1	+1.6	28,014	30,441	29,281	27,545	112,162	105,267
371	Motor vehicles and parts	16,838	17,373	18,169	16,701	-3.1	-4.4	+0.8	18,140	19,106	19,635	17,946	73,203	68,584
372,6	Aircraft, missiles, and parts	8,276	9,342	7,752	7,943	-11.4	+20.5	+4.2	8,107	9,531	7,918	7,788	32,123	29,898
3731,95	Shipbuilding and military tank vehicles	789	775	881	846	+1.8	-12.0	-6.7	789	775	881	846	3,096	3,399
38	Instruments and related products	5,203	5,219	5,133	4,972	-0.3	+1.7	+4.6	5,021	5,494	5,075	4,809	20,029	19,591
381-4	Scientific and engineering instruments	3,489	3,473	3,383	3,374	+0.5	+2.7	+3.4	3,384	3,706	3,399	3,276	13,515	13,334
386	Photographic goods	1,559	1,584	1,595	1,419	-1.6	-0.7	+9.9	1,472	1,611	1,519	1,343	5,881	5,519
24,25, 39	All other durable goods	10,949	10,927	10,913	10,089	+0.2	+0.1	+8.5	11,240	11,427	10,687	10,350	42,478	38,421
	Nondurable goods industries	93,058	92,680	92,007	88,335	+0.4	+0.7	+5.3	92,060	95,472	92,666	87,553	365,222	354,597
	With unfilled orders	24,264	23,952	23,883	21,767	+1.3	+0.3	+11.5	23,886	24,605	23,951	21,431	94,455	86,108
20	Food and kindred products	27,445	26,902	26,977	25,502	+2.0	-0.3	+7.6	26,743	27,847	27,005	24,853	106,614	100,068
202	Dairy products	3,882	3,862	3,873	3,415	+0.5	-0.3	+13.7	3,851	3,907	3,838	3,386	15,220	13,487
208	Beverages	3,574	3,523	3,605	3,659	+1.4	-2.3	-2.3	3,763	3,407	3,263	3,844	13,598	13,886
203-6,9	All other foods	12,333	12,045	12,186	11,678	+2.4	-1.2	+5.6	11,618	13,132	12,720	11,002	48,684	45,950
21	Tobacco products	1,153	1,729	1,304	1,308	-33.3	+32.6	-11.9	1,153	1,729	1,304	1,308	4,968	5,282
22	Textile mill products	4,717	4,579	4,638	4,490	+3.0	-1.3	+5.1	4,696	4,963	4,604	4,466	18,189	17,668
221-4,6, 8,9	Broadwoven fabrics	2,887	2,734	2,834	2,762	+5.6	-3.5	+4.5	2,823	3,044	2,854	2,700	11,144	11,141
26	Paper and allied products	9,512	9,428	9,485	8,338	+0.9	-0.6	+14.1	9,586	9,777	9,818	8,400	38,164	33,125
261-3,6	Pulp, paper etc.	4,056	3,990	4,044	3,426	+1.7	-1.3	+18.4	4,116	4,230	4,168	3,479	16,450	13,770
265	Paperboard containers	2,073	2,015	2,015	1,840	+2.9	0.0	+12.7	2,125	2,076	2,036	1,883	8,086	7,411
264	All other paper products	3,383	3,423	3,426	3,072	-1.2	-0.1	+10.1	3,345	3,471	3,614	3,038	13,628	11,944
28	Chemicals and allied products	17,386	17,097	17,137	16,894	+1.7	-0.2	+2.9	17,846	18,094	17,509	17,460	70,082	67,966
281,6	Industrial chemicals, except pigments	5,068	4,983	4,905	4,669	+1.7	+1.6	+8.5	5,316	5,264	5,080	4,891	20,304	19,358
283,4	Drugs, soaps, and toiletries	5,977	5,764	5,983	5,751	+3.7	-3.7	+3.9	5,481	6,026	5,996	5,273	23,481	22,155
282,9	Other chemical products	4,012	4,022	4,077	3,884	-0.2	-1.3	+3.3	4,140	4,202	4,253	4,003	16,367	15,807
29	Petroleum and coal products	10,200	10,215	10,068	10,994	-0.1	+1.5	-7.2	10,137	10,101	9,807	10,923	39,813	48,664
30	Rubber and plastics products	6,550	6,733	6,661	6,061	-2.7	+1.1	+8.1	6,634	6,782	6,730	6,148	26,005	23,817
23,27, 31	All other nondurable goods	16,095	15,997	15,737	14,748	+0.6	+1.7	+9.1	15,265	16,179	15,889	13,995	61,387	58,007
	Market categories:													
	Home goods and apparel	13,488	13,306	13,199	12,534	+1.4	+0.8	+7.6	12,872	14,060	13,530	11,961	51,789	48,902
	Consumer staples	38,779	38,537	38,444	36,145	+0.6	+0.2	+7.3	37,489	39,696	38,283	34,949	150,810	141,213
	Equipment and defense products, except automotive	30,812	32,114	30,269	30,998	-4.1	+6.1	-0.6	30,114	34,548	29,661	30,299	119,593	119,062
	Automotive equipment	18,926	19,399	20,152	18,722	-2.4	-3.7	+1.1	20,315	21,144	21,488	20,051	81,096	76,128
	Construction materials, supplies and intermediate products	15,890	16,262	16,511	15,305	-2.3	-1.5	+3.8	16,367	16,407	15,515	15,711	61,564	56,894
	Other materials, supplies, and intermediate products	77,575	77,812	77,033	75,572	-0.3	+1.0	+2.7	78,895	81,021	78,721	77,047	309,923	308,249
	Supplementary series:[2]													
	Capital goods industries	35,658	37,227	35,187	35,356	-4.2	+5.8	+0.9	34,715	39,706	34,751	34,458	138,470	135,204
	Nondefense	26,919	27,353	26,794	26,896	-1.6	+2.1	+0.1	26,148	29,498	26,166	26,137	103,709	102,722
	Defense	8,739	9,874	8,393	8,460	-11.5	+17.6	+3.3	8,567	10,208	8,585	8,321	34,761	32,482
	Household durable goods industries	6,236	6,132	6,199	5,715	+1.7	-1.1	+9.1	6,084	6,580	6,145	5,574	24,135	22,186

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1987p	Mar. 1987r	Feb. 1987	Apr. 1986r	Mar.-Apr.p	Feb.-Mar.r	Apr.-87/86	Apr. 1987p	Mar. 1987r	Feb. 1987	Apr. 1986	1987p	1986
	All manufacturing industries	199,800	199,399	194,333	186,606	+0.2	+2.6	+7.1	199,992	210,979	198,802	186,575	786,205	763,731
	Manufacturing industries with unfilled orders	110,787	110,261	104,867	100,623	+0.5	+5.1	+10.1	110,133	118,188	108,121	99,654	431,555	418,817
	Durable goods industries	106,226	106,213	101,932	98,176	0.0	+4.2	+8.2	107,413	114,989	105,609	98,945	418,772	408,587
	With unfilled orders	86,007	85,803	80,590	78,761	+0.2	+6.5	+9.2	85,728	93,065	83,643	78,146	334,889	332,162
32	Stone, clay, and glass products	5,045	5,140	5,090	4,742	-1.8	+1.0	+6.4	5,216	5,191	4,896	4,887	19,636	18,457
33	Primary metals	9,261	8,789	8,231	8,106	+5.4	+6.8	+14.2	9,609	9,929	9,176	8,250	36,847	37,673
331	Blast furnaces, steel mills	4,404	3,780	3,411	3,416	+16.5	+10.8	+28.9	4,531	4,392	4,140	3,391	16,472	16,486
332	Iron and steel foundries	753	716	764	968	+5.2	-6.3	-22.2	819	760	791	1,028	3,243	3,924
333-9	Nonferrous and other primary metals	4,104	4,293	4,056	3,722	-4.4	+5.8	+10.3	4,259	4,777	4,245	3,831	17,132	17,263
34	Fabricated metal products	11,159	11,576	11,244	11,605	-3.6	+3.0	-3.8	11,278	12,172	11,483	11,721	44,925	45,096
35	Machinery, except electrical	17,054	17,209	16,814	16,347	-0.9	+2.3	+4.3	17,273	18,750	17,395	16,551	67,113	66,621
351	Engines and turbines	1,255	1,493	1,063	1,135	-15.9	+40.5	+10.6	1,297	1,588	1,079	1,174	4,456	4,941
353	Construction, mining, and material handling equipment	2,116	2,157	2,072	2,239	-1.9	+4.1	-5.5	2,159	2,176	2,090	2,274	7,964	8,985
354	Metalworking machinery	738	788	672	723	-6.3	+17.3	+2.1	731	890	665	714	2,922	2,853
357	Office and computing machines	4,606	4,444	4,317	3,789	+3.6	+2.9	+21.6	4,359	4,960	4,439	3,486	16,225	15,112
36	Electrical machinery	19,666	16,479	17,053	16,747	+19.3	-3.4	+17.4	18,661	19,069	17,695	15,655	70,350	68,134
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,174	2,166	2,260	1,966	+0.4	-4.2	+10.6	2,142	2,432	2,311	1,948	8,770	8,376
363	Household appliances	1,543	1,550	1,581	1,355	-0.5	-2.0	+13.9	1,533	1,581	1,528	1,350	5,988	5,220
365	Radio and TV	929	882	939	927	+5.3	-6.1	+0.2	826	917	906	825	3,690	3,629
366	Communication equipment	7,414	4,365	4,943	5,898	+69.9	-11.7	+25.7	6,521	6,084	5,387	4,854	22,918	25,072
367	Electronic components	4,168	4,187	3,966	3,681	-0.5	+5.6	+13.2	4,386	4,739	4,155	3,909	16,086	14,869
364,9	Other electrical machinery	3,438	3,329	3,364	2,920	+3.3	-1.0	+17.7	3,253	3,316	3,408	2,769	12,898	10,968
37	Transportation equipment	27,942	30,253	27,302	25,533	-7.6	+10.8	+9.4	29,023	32,385	29,015	26,569	115,915	113,795
372,6	Aircraft, missiles, and parts	8,920	9,975	7,848	7,401	-10.6	+27.1	+20.5	8,774	10,282	7,910	7,337	34,804	36,974
3731,95	Shipbuilding and military tank vehicles	1,077	1,768	414	409	-39.1	+327.1	+163.3	1,167	1,848	436	437	3,759	4,417
38	Instruments and related products	5,221	5,253	5,088	4,882	-0.6	+3.2	+6.9	5,045	5,533	5,044	4,721	20,304	19,498
381-4	Scientific and engineering instruments	3,506	3,482	3,280	3,270	+0.7	+6.2	+7.2	3,401	3,715	3,296	3,172	13,663	13,176
24,25, 39	All other durable goods	10,878	11,514	11,110	10,214	-5.5	+3.6	+6.5	11,308	11,960	10,905	10,591	43,682	39,313
	Nondurable goods industries	93,574	93,186	92,401	88,430	+0.4	+0.8	+5.8	92,579	95,990	93,193	87,630	367,433	355,144
	With unfilled orders	24,780	24,458	24,277	21,862	+1.3	+0.7	+13.3	24,405	25,123	24,478	21,508	96,666	86,655
	Market categories:													
	Home goods and apparel	13,544	13,730	13,446	12,547	-1.4	+2.1	+7.9	12,990	14,467	13,848	12,034	53,153	49,968
	Consumer staples	38,795	38,547	38,442	36,166	+0.6	+0.3	+7.3	37,486	39,659	38,284	34,943	150,798	141,336
	Equipment and defense products, except automotive	32,680	31,264	29,129	29,291	+4.5	+7.3	+11.6	31,810	34,836	29,936	28,267	122,713	125,714
	Automotive equipment	19,029	19,525	20,179	18,715	-2.5	-3.2	+1.7	20,259	21,261	21,679	19,878	81,483	76,505
	Construction materials, supplies and intermediate products	15,793	16,288	16,122	15,158	-3.0	+1.0	+4.2	16,329	16,614	15,402	15,630	61,582	57,107
	Other materials, supplies, and intermediate products	79,959	80,045	77,015	74,729	-0.1	+3.9	+7.0	81,118	84,142	79,653	75,823	316,476	313,101
	Supplementary series:[2]													
	Capital goods industries	38,422	37,393	33,836	33,428	+2.8	+10.5	+14.9	37,166	40,949	34,818	32,082	142,943	145,076
	Nondefense	27,617	27,396	26,856	25,357	+0.8	+2.0	+8.9	27,138	29,366	27,279	24,927	106,968	103,346
	Defense	10,805	9,997	6,980	8,071	+8.1	+43.2	+33.9	10,028	11,583	7,539	7,155	35,975	41,730
	Household durable goods industries	6,180	6,504	6,292	5,733	-5.0	+3.4	+7.8	6,071	6,914	6,268	5,639	24,994	23,104

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Apr. 1987P	Mar. 1987r	Feb. 1987	Apr. 1986r	Mar.-Apr.P	Feb.-Mar.r	Apr.-87/86	Apr. 1987P	Mar. 1987r	Feb. 1987	Apr. 1986
	All manufacturing industries	375,550	371,220	369,251	377,011	+1.2	+0.5	-0.4	381,840	377,900	373,797	383,210
	Durable goods industries	362,579	358,765	357,302	366,300	+1.1	+0.4	-1.0	368,755	365,334	361,749	372,410
32	Stone, clay, and glass products	2,472	2,496	2,496	2,638	-1.0	0.0	-6.3	2,574	2,617	2,556	2,748
33	Primary metals	17,837	17,028	16,634	16,547	+4.8	+2.4	+7.8	19,305	18,674	17,695	17,835
331	Blast furnaces, steel mills	9,794	8,986	8,716	8,173	+9.0	+3.1	+19.8	10,881	10,205	9,526	9,066
332	Iron and steel foundries	2,586	2,615	2,712	2,642	-1.1	-3.6	-2.1	2,656	2,662	2,753	2,708
333-9	Nonferrous and other primary metals	5,457	5,427	5,206	5,732	+0.6	+4.2	-4.8	5,768	5,807	5,416	6,061
34	Fabricated metal products	18,451	18,579	18,501	19,466	-0.7	+0.4	-5.2	18,576	18,703	18,485	19,597
35	Machinery, except electrical	55,275	54,963	54,789	58,694	+0.6	+0.3	-5.8	55,726	55,195	55,130	59,156
351	Engines and turbines	14,451	14,304	14,010	16,447	+1.0	+2.1	-12.1	14,311	14,240	13,998	16,300
353	Construction, mining, and material handling equipment	4,336	4,306	4,301	5,048	+0.7	+0.1	-14.1	4,366	4,364	4,377	5,082
354	Metalworking machinery	3,157	3,129	3,133	3,583	+0.9	-0.1	-11.9	3,088	3,031	3,047	3,502
357	Office and computing machines	18,803	18,531	18,526	19,149	+1.5	0.0	-1.8	19,179	18,552	18,640	19,523
36	Electrical machinery	91,635	89,792	91,351	92,647	+2.1	-1.7	-1.1	92,788	91,460	91,714	93,772
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,413	5,445	5,421	5,689	-0.6	+0.4	-4.9	5,457	5,475	5,462	5,740
363	Household appliances	241	270	261	325	-10.7	+3.4	-25.8	247	262	248	333
365	Radio and TV	210	270	261	325	-22.2	+3.4	-35.4	210	270	261	325
366	Communication equipment	68,291	66,708	68,507	68,213	+2.4	-2.6	+0.1	69,113	68,248	68,993	68,994
367	Electronic components	15,767	15,377	15,131	16,397	+2.5	+1.6	-3.8	16,051	15,522	14,993	16,687
364,9	Other electrical machinery	1,713	1,722	1,770	1,698	-0.5	-2.7	+0.9	1,710	1,683	1,757	1,693
37	Transportation equipment	162,533	161,478	159,723	162,649	+0.7	+1.1	-0.1	165,542	164,533	162,589	165,757
372,o	Aircraft, missiles, and parts	138,953	138,309	137,676	137,711	+0.5	+0.5	+0.9	141,407	140,740	139,989	140,247
3731,95	Shipbuilding and military tank vehicles	17,581	17,293	16,300	18,537	+1.7	+6.1	-5.2	18,009	17,631	16,558	18,977
38	Instruments and related products	8,445	8,427	8,393	8,376	+0.2	+0.4	+0.8	8,450	8,426	8,387	8,379
381-4	Scientific and engineering instruments	7,552	7,535	7,526	7,428	+0.2	+0.1	+1.7	7,552	7,535	7,526	7,428
24,25, 39	All other durable goods	5,931	6,002	5,415	5,283	-1.2	+10.8	+12.3	5,794	5,726	5,193	5,166
	Nondurable goods industries	12,971	12,455	11,949	10,711	+4.1	+4.2	+21.1	13,085	12,566	12,048	10,800
	Market categories:											
	Home goods and apparel	4,677	4,621	4,197	4,314	+1.2	+10.1	+8.4	4,696	4,578	4,171	4,329
	Consumer staples	753	737	727	887	+2.2	+1.4	-15.1	751	754	791	884
	Equipment and defense products, except automotive	236,911	235,043	235,893	239,034	+0.8	-0.4	-0.9	241,107	239,411	239,123	243,324
	Automotive equipment	5,764	5,661	5,535	5,976	+1.8	+2.3	-3.5	5,891	5,947	5,830	6,108
	Construction materials, supplies and intermediate products	9,929	10,026	10,000	10,483	-1.0	+0.3	-5.3	10,106	10,144	9,937	10,674
	Other materials, supplies, and intermediate products	117,516	115,132	112,499	116,317	+2.1	+2.0	+1.0	119,289	117,066	113,945	117,891
	Supplementary series:[2]											
	Capital goods industries	289,615	286,851	286,685	293,443	+1.0	+0.1	-1.3	293,787	291,336	290,093	297,685
	Nondefense	129,811	129,113	129,070	128,863	+0.5	0.0	+0.7	130,279	129,289	129,421	129,348
	Defense	159,804	157,738	157,615	164,580	+1.3	+0.1	-2.9	163,508	162,047	160,672	168,337
	Household durable goods industries	3,841	3,897	3,525	3,718	-1.4	+10.6	+3.3	3,819	3,832	3,498	3,705

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Apr. 1987P	Mar. 1987r	Feb. 1987	Apr. 1986r	Mar.-Apr.P	Feb.-Mar.r	Apr.-87/86	Apr. 1987P	Mar. 1987r	Feb. 1987	Apr. 1986
	All manufacturing industries	320,801	320,090	320,535	323,315	+0.2	-0.1	-0.8	322,987	320,743	321,166	325,417
	Manufacturing industries with unfilled orders	217,726	217,256	217,784	220,583	+0.2	-0.2	-1.3	219,386	217,512	217,155	222,188
	Durable goods industries	208,481	207,987	208,644	212,226	+0.2	-0.3	-1.8	210,161	208,758	208,809	213,871
	With unfilled orders	191,352	190,816	191,644	195,195	+0.3	-0.4	-2.0	192,661	190,972	191,114	196,470
32	Stone, clay, and glass products	6,991	7,021	6,990	6,995	-0.4	+0.4	-0.1	7,169	7,201	7,082	7,177
33	Primary metals	16,560	16,587	16,859	18,716	-0.2	-1.6	-11.5	16,630	16,435	16,585	18,760
331	Blast furnaces, steel mills	7,379	7,450	7,618	9,149	-1.0	-2.2	-19.3	7,224	7,190	7,370	8,957
332	Iron and steel foundries	1,173	1,123	1,113	1,194	+4.5	+0.9	-1.8	1,230	1,179	1,146	1,253
333-9	Nonferrous and other primary metals	8,008	8,014	8,128	8,373	-0.1	-1.4	-4.4	8,176	8,066	8,069	8,550
34	Fabricated metal products	21,322	21,433	21,367	21,998	-0.5	+0.3	-3.1	21,636	21,644	21,378	22,318
35	Machinery, except electrical	41,211	41,081	41,384	43,970	+0.3	-0.7	-6.3	41,550	41,147	41,540	44,328
351	Engines and turbines	2,834	2,818	2,808	2,799	+0.6	+0.4	+1.3	2,834	2,777	2,778	2,806
353	Construction, mining, and material handling equipment	6,670	6,720	6,851	7,340	-0.7	-1.9	-9.1	6,683	6,762	6,895	7,357
354	Metalworking machinery	2,976	2,958	3,008	2,846	+0.6	-1.7	+4.6	3,000	2,958	3,017	2,868
357	Office and computing machines	9,664	9,620	9,718	11,556	+0.5	-1.0	-16.4	9,790	9,500	9,674	11,689
36	Electrical machinery	39,099	38,995	39,085	38,765	+0.3	-0.2	+0.9	39,401	38,976	38,834	39,073
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,020	5,015	4,983	5,081	+0.1	+0.6	-1.2	5,045	4,983	4,967	5,107
363	Household appliances	2,716	2,745	2,761	2,650	-1.1	-0.6	+2.5	2,903	2,880	2,787	2,835
365	Radio and TV	1,745	1,810	1,792	1,553	-3.6	+1.0	+12.4	1,724	1,713	1,678	1,535
366	Communication equipment	16,250	16,027	16,218	16,121	+1.4	-1.2	+0.8	16,273	16,031	16,193	16,148
367	Electronic components	7,672	7,705	7,689	7,686	-0.4	+0.2	-0.2	7,680	7,682	7,639	7,695
364,9	Other electrical machinery	5,696	5,693	5,642	5,674	+0.1	+0.9	+0.4	5,776	5,687	5,570	5,753
37	Transportation equipment	53,675	53,271	53,311	53,059	+0.8	-0.1	+1.2	53,867	53,620	53,539	53,214
371	Motor vehicles and parts	11,078	11,203	11,059	11,477	-1.1	+1.3	-3.5	11,149	11,381	11,336	11,549
372,6	Aircraft, missiles, and parts	38,712	38,320	38,566	38,082	+1.0	-0.6	+1.7	38,889	38,482	38,465	38,222
3731,95	Shipbuilding and military tank vehicles	2,153	2,059	2,002	1,776	+4.6	+2.8	+21.2	2,160	2,039	1,972	1,782
38	Instruments and related products	12,460	12,509	12,681	12,489	-0.4	-1.4	-0.2	12,576	12,471	12,566	12,611
381-4	Scientific and engineering instruments	8,941	9,016	9,090	9,060	-0.8	-0.8	-1.3	9,004	9,018	9,039	9,130
386	Photographic goods	2,900	2,885	2,984	2,857	+0.5	-3.3	+1.5	2,938	2,845	2,925	2,894
24,25, 39	All other durable goods	17,163	17,090	16,967	16,233	+0.4	+0.7	+5.7	17,332	17,264	17,285	16,390
	Nondurable goods industries	112,320	112,103	111,891	111,089	+0.2	+0.2	+1.1	112,826	111,985	112,357	111,546
	With unfilled orders	26,374	26,440	26,140	25,388	-0.2	+1.1	+3.9	26,725	26,540	26,041	25,718
20	Food and kindred products	24,006	23,770	23,677	23,563	+1.0	+0.4	+1.9	23,578	23,332	23,966	23,112
202	Dairy products	2,121	2,087	2,034	1,808	+1.6	+2.6	+17.3	2,182	2,106	2,002	1,859
208	Beverages	4,589	4,631	4,634	4,667	-0.9	-0.1	-1.7	4,740	4,725	4,741	4,821
203-6,9	All other foods	14,061	13,937	13,961	14,064	+0.9	-0.2	0.0	13,344	13,333	13,963	13,339
21	Tobacco products	5,783	5,688	5,639	5,813	+1.7	+0.9	-0.5	5,904	5,853	5,976	5,932
22	Textile mill products	6,838	6,871	6,806	7,030	-0.5	+1.0	-2.7	6,950	6,971	6,820	7,148
221-4,6, 8,9	Broadwoven fabrics	3,806	3,821	3,822	4,174	-0.4	0.0	-8.8	3,871	3,884	3,855	4,243
26	Paper and allied products	10,812	10,837	10,684	10,046	-0.2	+1.4	+7.6	11,003	10,944	10,719	10,223
261-3,6	Pulp, paper etc.	4,188	4,172	4,166	3,944	+0.4	+0.1	+6.2	4,229	4,233	4,212	3,984
265	Paperboard containers	2,722	2,723	2,702	2,417	0.0	+0.8	+12.6	2,760	2,764	2,711	2,451
264	All other paper products	3,902	3,942	3,816	3,685	-1.0	+3.3	+5.9	4,014	3,947	3,796	3,788
28	Chemicals and allied products	26,961	26,921	27,283	25,833	+0.1	-1.3	+4.4	27,116	27,033	27,340	25,982
281,6	Industrial chemicals, except pigments	8,104	8,061	8,218	7,811	+0.5	-1.9	+3.8	8,104	8,061	8,218	7,811
283,4	Drugs, soaps, and toiletries	8,731	8,770	8,811	8,208	-0.4	-0.5	+6.4	8,836	8,701	8,693	8,308
282,9	Other chemical products	6,469	6,394	6,515	5,950	+1.2	-1.9	+8.7	6,501	6,403	6,516	5,978
29	Petroleum and coal products	10,287	10,387	10,225	11,370	-1.0	+1.6	-9.5	10,074	10,129	10,215	11,145
30	Rubber and plastics products	8,542	8,567	8,634	8,585	-0.3	-0.8	-0.5	8,858	8,796	8,670	8,910
23,27, 31	All other nondurable goods	19,091	19,062	18,943	18,849	+0.2	+0.6	+1.3	19,343	18,927	18,651	19,094
	Market categories:											
	Home goods and apparel	25,526	25,672	25,550	24,816	-0.6	+0.5	+2.9	25,936	25,554	25,311	25,235
	Consumer staples	41,902	41,668	41,563	40,854	+0.6	+0.3	+2.6	41,745	41,341	41,923	40,666
	Equipment and defense products, except automotive	92,185	91,703	92,140	94,550	+0.5	-0.5	-2.5	92,717	91,886	92,390	95,092
	Automotive equipment	13,463	13,599	13,482	14,042	-1.0	+0.9	-4.1	13,553	13,890	13,884	14,145
	Construction materials, supplies and intermediate products	22,999	22,926	22,777	23,012	+0.3	+0.7	-0.1	23,447	23,376	23,061	23,467
	Other materials, supplies, and intermediate products	124,726	124,522	125,023	126,041	+0.2	-0.4	-1.0	125,589	124,696	124,597	126,812
	Supplementary series:[2]											
	Capital goods industries	106,590	105,678	106,264	107,906	+0.9	-0.6	-1.2	107,240	105,769	106,082	108,537
	Nondefense	71,884	71,585	72,044	74,944	+0.4	-0.6	-4.1	72,333	71,444	71,963	75,404
	Defense	34,706	34,093	34,220	32,962	+1.8	-0.4	+5.3	34,907	34,325	34,119	33,133
	Household durable goods industries	13,117	13,219	13,196	12,359	-0.8	+0.2	+6.1	13,329	13,182	13,145	12,575

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Apr. 1987[p]	Mar. 1987[r]	Feb. 1987	Apr. 1986[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Apr.-87/86	Apr. 1987[p]	Mar. 1987[r]	Feb. 1987	Apr. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	103,438	102,417	102,522	102,972	+1.0	-0.1	+0.5	103,548	102,448	102,968	103,057
	Durable goods industries	59,758	59,226	59,499	60,596	+0.9	-0.5	-1.4	59,506	58,923	59,394	60,333
32	Stone, clay, and glass products	2,228	2,263	2,253	2,297	-1.5	+0.4	-3.0	2,225	2,256	2,246	2,295
33	Primary metals	5,401	5,389	5,479	6,020	+0.2	-1.6	-10.3	5,180	5,146	5,374	5,758
34	Fabricated metal products	7,314	7,292	7,367	7,800	+0.3	-1.0	-6.2	7,335	7,274	7,301	7,824
35	Machinery, except electrical	11,642	11,479	11,653	11,806	+1.4	-1.5	-1.4	11,656	11,478	11,612	11,830
36	Electrical machinery	10,425	10,243	10,259	10,370	+1.8	-0.2	+0.5	10,476	10,259	10,263	10,424
37	Transportation equipment	12,166	12,141	12,058	12,104	+0.2	+0.7	+0.5	12,217	12,157	12,117	12,170
38	Instruments and related products	4,146	4,043	4,080	4,041	+2.5	-0.9	+2.6	4,152	4,044	4,060	4,051
24,25, 39	All other durable goods	6,436	6,376	6,350	6,158	+0.9	+0.4	+4.5	6,265	6,309	6,421	5,981
	Nondurable goods industries	43,680	43,191	43,023	42,376	+1.1	+0.4	+3.1	44,042	43,525	43,574	42,724
20	Food and kindred products	8,980	8,772	8,682	8,352	+2.4	+1.0	+7.5	9,132	8,865	9,007	8,493
21	Tobacco products	4,887	4,798	4,730	4,841	+1.9	+1.4	+1.0	4,898	4,910	5,000	4,846
22	Textile mill products	1,856	1,819	1,854	2,011	+2.0	-1.9	-7.7	1,901	1,862	1,872	2,060
26	Paper and allied products	5,615	5,574	5,482	5,151	+0.7	+1.7	+9.0	5,655	5,635	5,527	5,184
28	Chemicals and allied products	8,998	9,042	8,990	8,376	-0.5	+0.6	+7.4	9,032	9,034	8,938	8,404
29	Petroleum and coal products	2,996	3,017	3,076	3,515	-0.7	-1.9	-14.8	3,007	2,990	3,085	3,538
30	Rubber and plastics products	3,199	3,168	3,224	3,143	+1.0	-1.7	+1.8	3,246	3,191	3,184	3,192
23,27, 31	All other nondurable goods	7,149	7,001	6,985	6,987	+2.1	+0.2	+2.3	7,171	7,038	6,961	7,007
	WORK IN PROCESS											
	All manufacturing industries	113,229	113,087	113,531	115,171	+0.1	-0.4	-1.7	113,982	113,744	113,607	115,866
	Durable goods industries	95,348	95,069	95,617	97,760	+0.3	-0.6	-2.5	95,967	95,714	95,619	98,329
32	Stone, clay, and glass products	980	969	967	1,035	+1.1	+0.2	-5.3	1,010	1,010	999	1,068
33	Primary metals	6,398	6,497	6,626	6,886	-1.5	-1.9	-7.1	6,483	6,530	6,505	6,960
34	Fabricated metal products	7,621	7,623	7,592	7,657	0.0	+0.4	-0.5	7,704	7,718	7,547	7,740
35	Machinery, except electrical	16,749	16,772	16,784	18,800	-0.1	-0.1	-10.9	16,969	16,955	16,910	19,029
36	Electrical machinery	19,956	19,833	20,062	19,878	+0.6	-1.1	+0.4	19,973	19,766	19,970	19,898
37	Transportation equipment	35,176	34,920	35,076	35,030	+0.7	-0.4	+0.4	35,290	35,245	35,215	35,089
38	Instruments and related products	4,782	4,830	4,913	5,002	-1.0	-1.7	-4.4	4,837	4,852	4,836	5,060
24,25, 39	All other durable goods	3,686	3,625	3,597	3,472	+1.7	+0.8	+6.2	3,701	3,638	3,637	3,485
	Nondurable goods industries	17,881	18,018	17,914	17,411	-0.8	+0.6	+2.7	18,015	18,030	17,988	17,537
20	Food and kindred products	2,429	2,379	2,379	2,502	+2.1	0.0	-2.9	2,431	2,433	2,451	2,504
21	Tobacco products	122	130	153	120	-6.2	-15.0	+1.7	122	130	153	118
22	Textile mill products	2,137	2,124	2,111	2,049	+0.6	+0.6	+4.3	2,144	2,158	2,115	2,056
26	Paper and allied products	1,250	1,243	1,222	1,150	+0.6	+1.7	+8.7	1,239	1,237	1,199	1,141
28	Chemicals and allied products	4,049	4,142	4,174	3,987	-2.2	-0.8	+1.6	4,020	4,027	4,154	3,962
29	Petroleum and coal products	2,187	2,166	2,141	2,377	+1.0	+1.2	-8.0	2,195	2,147	2,147	2,393
30	Rubber and plastics products	1,344	1,404	1,432	1,346	-4.3	-2.0	-0.1	1,340	1,399	1,427	1,340
23,27, 31	All other nondurable goods	4,363	4,430	4,302	3,880	-1.5	+3.0	+12.4	4,524	4,499	4,342	4,023
	FINISHED GOODS											
	All manufacturing industries	104,134	104,586	104,482	105,172	-0.4	+0.1	-1.0	105,457	104,551	104,591	106,494
	Durable goods industries	53,375	53,692	53,528	53,870	-0.6	+0.3	-0.9	54,688	54,121	53,796	55,209
32	Stone, clay, and glass products	3,783	3,789	3,770	3,663	-0.2	+0.5	+3.3	3,934	3,935	3,837	3,814
33	Primary metals	4,761	4,701	4,754	5,810	+1.3	-1.1	-18.1	4,967	4,759	4,706	6,042
34	Fabricated metal products	6,387	6,518	6,408	6,541	-2.0	+1.7	-2.4	6,597	6,652	6,530	6,754
35	Machinery, except electrical	12,820	12,830	12,947	13,364	-0.1	-0.9	-4.1	12,925	12,714	13,018	13,469
36	Electrical machinery	8,718	8,919	8,764	8,517	-2.3	+1.8	+2.4	8,952	8,951	8,601	8,751
37	Transportation equipment	6,333	6,210	6,177	5,925	+2.0	+0.5	+6.9	6,360	6,218	6,207	5,955
38	Instruments and related products	3,532	3,636	3,688	3,446	-2.9	-1.4	+2.5	3,587	3,575	3,670	3,500
24,25, 39	All other durable goods	7,041	7,089	7,020	6,603	-0.7	+1.0	+6.6	7,366	7,317	7,227	6,924
	Nondurable goods industries	50,759	50,894	50,954	51,302	-0.3	-0.1	-1.1	50,769	50,430	50,795	51,285
20	Food and kindred products	12,597	12,619	12,616	12,709	-0.2	0.0	-0.9	12,015	12,034	12,508	12,115
21	Tobacco products	774	760	756	852	+1.8	+0.5	-9.2	884	813	823	968
22	Textile mill products	2,845	2,928	2,841	2,970	-2.8	+3.1	-4.2	2,905	2,951	2,833	3,032
26	Paper and allied products	3,947	4,020	3,980	3,745	-1.8	+1.0	+5.4	4,109	4,072	3,993	3,898
28	Chemicals and allied products	13,914	13,737	14,119	13,470	+1.3	-2.7	+3.3	14,064	13,972	14,248	13,616
29	Petroleum and coal products	5,104	5,204	5,008	5,478	-1.9	+3.9	-6.8	4,872	4,992	4,983	5,214
30	Rubber and plastics products	3,999	3,995	3,978	4,096	+0.1	+0.4	-2.4	4,272	4,206	4,059	4,378
23,27, 31	All other nondurable goods	7,579	7,631	7,656	7,982	-0.7	-0.3	-5.0	7,648	7,390	7,348	8,064

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Apr. 1987[p]	Mar. 1987[r]	Feb. 1987	Apr. 1986[r]	Apr. 1987[p]	Mar. 1987[r]	Feb. 1987	Apr. 1986[r]
	All manufacturing industries	1.64	1.62	1.64	1.71	3.53	3.43	3.48	3.65
	Durable goods industries	2.04	1.99	2.01	2.10	4.41	4.25	4.34	4.49
32	Stone, clay, and glass products	1.38	1.37	1.36	1.45	0.53	0.53	0.53	0.60
33	Primary metals	1.96	1.98	2.01	2.15	2.11	2.03	1.99	1.90
34	Fabricated metal products	1.89	1.86	1.83	1.89	1.82	1.78	1.75	1.84
35	Machinery, except electrical	2.46	2.41	2.46	2.49	3.50	3.42	3.46	3.52
36	Electrical machinery	2.19	2.16	2.19	2.33	5.14	4.98	5.11	5.57
37	Transportation equipment	2.00	1.87	1.93	2.01	10.88	9.91	10.83	10.97
38	Instruments and related products	2.39	2.40	2.47	2.51	1.62	1.61	1.64	1.68
	Nondurable goods industries	1.21	1.21	1.22	1.26	0.53	0.52	0.50	0.49
20	Food and kindred products	0.87	0.88	0.88	0.92	(X)	(X)	(X)	(X)
21	Tobacco products	5.02	3.29	4.32	4.44	(X)	(X)	(X)	(X)
22	Textile mill products	1.45	1.50	1.47	1.57	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.14	1.15	1.13	1.20	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.55	1.57	1.59	1.53	(X)	(X)	(X)	(X)
29	Petroleum and coal products	1.01	1.02	1.02	1.03	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.27	1.30	1.42	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Apr. 1986	All Aprs. 1982-1986	Apr. 1986-Mar. 1987	Year ago Apr. 1986	All Aprs. 1982-1986	Apr. 1986-Mar. 1987	Year ago Apr. 1986	All Aprs. 1982-1986	Apr. 1986-Mar. 1987	Year ago Apr. 1986	All Aprs. 1982-1986	Apr. 1986-Mar. 1987
	All manufacturing industries	0.7	0.3	0.3	0.0	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.1
	Durable goods industries	0.5	0.4	0.4	0.7	0.5	0.5	0.4	0.2	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products	3.0	1.0	1.3	2.0	0.9	1.4	1.5	1.4	0.8	0.2	0.3	0.4
33	Primary metals	0.1	0.6	0.4	0.3	1.3	0.4	0.1	0.1	0.2	0.2	0.1	0.3
34	Fabricated metal products	1.3	0.9	1.0	2.2	1.6	1.3	0.6	0.3	0.5	0.5	0.3	0.2
35	Machinery, except electrical	0.5	0.4	0.5	0.6	1.4	0.7	0.1	0.4	0.1	0.0	0.1	0.2
36	Electrical machinery	1.0	0.4	0.3	1.6	0.8	0.6	0.1	0.1	0.1	0.4	0.3	0.2
37	Transportation equipment	0.1	1.0	0.2	5.0	2.4	1.0	0.8	0.3	0.2	0.0	0.1	0.1
38	Instruments and related products	1.8	1.1	1.4	3.1	1.5	1.6	0.6	0.6	0.4	0.3	0.5	0.2
	Nondurable goods industries	0.8	0.3	0.3	0.8	0.3	0.3	0.3	0.6	0.5	0.1	0.2	0.2
20	Food and kindred products	1.3	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
21	Tobacco products	0.0	0.0	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.2
22	Textile mill products	0.6	1.0	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.4	0.8
26	Paper and allied products	1.6	1.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.5	0.4
28	Chemicals and allied product	1.0	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.7	0.4
29	Petroleum and coal products	0.9	0.4	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.8	0.5
30	Rubber and plastics products	2.2	1.4	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.4
	Capital goods industries:												
	Nondefense	0.6	0.4	0.4	0.4	0.9	0.5	0.1	0.2	0.1	0.0	0.1	0.1
	Defense	0.6	0.8	0.6	11.9	3.4	3.6	0.8	0.2	0.2	0.0	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-20

First Class Mail

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

AUG 27 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

June 1987

M3-1(87)-6

For Wire Transmission 10:00 a.m. E.D.T. Friday, July 31, 1987

3.158:
M 3-1 (87)-6

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in June increased $3.4 billion or 1.7 percent to $204.8 billion. This is the fifth consecutive monthly increase. Orders for the first half of 1987 totaled $1187.2 billion, 5.0 percent above the same period last year.

Shipments of manufactured goods increased $3.6 billion or 1.8 percent to $200.5 billion, following a 0.5 percent increase last month. Shipments for the first half of 1987 totaled $1176.4 billion, 4.1 percent above the same period last year.

Unfilled orders for manufactured goods increased $4.3 billion or 1.1 percent to $384.6 billion, the fourth consecutive monthly increase.

The inventory held by manufacturers at the end of June showed a slight decline of $0.4 billion or 0.1 percent to $321.5 billion. An increase of $0.5 billion in nondurables was more than offset by a decrease of $0.9 billion in durables. The inventory to shipments ratio for June was 1.60 percent down from 1.63 in May.

NEW ORDERS. New orders for manufactured durable goods in June increased $1.7 billion or 1.6 percent to $108.7 billion. Over three-fourths of the increase was in electrical machinery, which increased $1.3 billion or 7.3 percent; most of the increase was in nondefense communication equipment. The rest of the durables increase was in primary metals, up $0.4 billion or 3.9 percent, and instruments and related products, up $0.2 billion or 4.7 percent.

The major declines were in transportation equipment and nonelectrical machinery. Transportation equipment declined $0.6 billion or 1.9 percent; aircraft and parts were down $0.6 billion or 5.8 percent. Nonelectrical machinery decreased $0.6 billion or 3.2 percent, with the largest declines in engines and turbines and office and computing equipment.

Nondurable goods orders increased $1.7 billion or 1.8 percent to $96.1 billion. All the major industries increased except chemicals which decreased $0.2 billion or 1.1 percent.

SHIPMENTS. Shipments of durable goods in June increased $2.1 billion or 2.0 percent to $104.5 billion and nondurables $1.5 billion or 1.6 percent to $96.0 billion. Increases were widespread. In the durables sector the largest increases were in transportation, up $0.8 billion or 3.1 percent, most of which was in aircraft and parts, and primary metals $0.4 billion or 4.9 percent. In the nondurables sector, foods increased $0.4 billion or 1.4 percent and tobacco $0.4 billion or 23.4 percent.

UNFILLED ORDERS. Unfilled orders for durable goods increased $4.2 billion or 1.1 percent to $371.7 billion, the fourth consecutive monthly increase. Since February, the backlog has increased $14.4 billion or 4.0 percent. In June the largest increase was in transportation equipment, up $1.9 billion or 1.1 percent to $167.8 billion; most of the increase was in defense shipbuilding and tanks and nondefense aircraft and parts. Both steel and nonferrous metals contributed to the $0.8 billion or 4.4 percent increase in primary metals. Electrical machinery was up $1.2 billion or 1.3 percent, with most of the increase in nondefense communication equipment.

INVENTORIES. Inventories of durable goods in June declined $0.9 billion or 0.4 percent to $208.2 billion. This is the third decline this year and the largest since the 0.7 percent drop in December 1986. Within the major industries, declines were widespread. Inventories held by nondurable goods manufacturers increased $0.5 billion or 0.4 percent to $113.2 billion. Increases in foods of $0.6 billion and tobacco of $0.1 billion were partially offset by a $0.3 billion decline in chemicals.

By stage of fabrication, finished goods inventories declined 0.8 percent, all in durable goods. Work in process inventories increased 0.4 percent with both durables and nondurables increasing. Materials and supplies inventories showed no change, with an increase in nondurables offsetting a decrease in durables.

SCHEDULED RELEASE DATES. The advance report on durable goods for July is scheduled for August 25, 1987, at 8:30 a.m. and the full report on September 1, 1987, at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1987[p]	May 1987[r]	Apr. 1987	June 1986[r]	May-June[p]	Apr.-May[r]	June-87/86	June 1987[p]	May 1987[r]	Apr. 1987	June 1986	1987[p]	1986
	All manufacturing industries	200,543	196,929	195,958	188,957	+1.8	+0.5	+6.1	212,767	198,265	196,715	200,654	1,186,470	1,140,075
	Manufacturing industries with unfilled orders	109,067	106,925	106,592	103,950	+2.0	+0.3	+4.9	116,719	106,901	106,301	111,234	643,853	618,996
	Durable goods industries	104,544	102,477	102,747	99,602	+2.0	-0.3	+5.0	113,386	104,192	104,429	108,060	627,568	604,458
	With unfilled orders	84,479	82,789	82,557	81,280	+2.0	+0.3	+3.9	91,393	82,996	82,673	87,897	500,425	487,996
32	Stone, clay, and glass products	4,940	4,961	5,064	4,715	-0.4	-2.0	+4.8	5,372	5,144	5,264	5,136	30,013	28,278
33	Primary metals	9,064	8,643	8,491	8,216	+4.9	+1.8	+10.3	9,743	9,034	9,012	8,840	53,080	53,908
331	Blast furnaces, steel mills	3,859	3,721	3,605	3,491	+3.7	+3.2	+10.5	4,206	3,928	3,846	3,807	22,567	23,122
332	Iron and steel foundries	760	740	773	844	+2.7	-4.3	-10.0	834	787	825	927	4,884	5,407
333-9	Nonferrous and other primary metals	4,445	4,182	4,113	3,881	+6.3	+1.7	+14.5	4,703	4,319	4,341	4,106	25,629	25,379
34	Fabricated metal products	11,213	11,062	11,357	11,440	+1.4	-2.6	-2.0	11,947	11,317	11,483	12,194	68,388	69,035
35	Machinery, except electrical	17,309	17,110	17,086	17,276	+1.2	+0.1	+0.2	19,628	17,187	17,123	19,573	103,141	104,695
351	Engines and turbines	1,188	1,165	1,118	1,240	+2.0	+4.2	-4.2	1,292	1,235	1,225	1,343	7,176	7,564
353	Construction, mining, and material handling equipment	2,102	2,047	2,102	2,161	+2.7	-2.6	-2.7	2,312	2,124	2,187	2,384	12,399	14,331
354	Metalworking machinery	804	756	717	750	+6.3	+5.4	+7.2	886	722	674	819	4,497	4,454
357	Office and computing machines	4,592	4,677	4,583	4,843	-1.8	+2.1	-5.2	5,648	4,288	3,986	5,921	25,869	26,215
36	Electrical machinery	18,470	18,326	17,872	16,805	+0.8	+2.5	+9.9	20,108	17,829	17,357	18,256	108,093	99,189
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,268	2,246	2,213	2,109	+1.0	+1.5	+7.5	2,445	2,208	2,161	2,269	13,295	12,739
363	Household appliances	1,621	1,541	1,573	1,361	+5.2	-2.0	+19.1	1,861	1,533	1,552	1,557	9,402	8,141
365	Radio and TV	1,079	1,164	996	1,052	-7.3	+16.9	+2.6	1,196	1,042	882	1,167	6,077	5,762
366	Communication equipment	6,073	6,019	5,847	5,694	+0.9	+2.9	+6.7	6,663	5,869	5,658	6,231	35,625	33,509
367	Electronic components	3,932	3,953	3,798	3,556	-0.5	+4.1	+10.6	4,243	3,973	3,876	3,836	23,901	22,188
364,9	Other electrical machinery	3,497	3,403	3,445	3,033	+2.8	-1.2	+15.3	3,700	3,204	3,228	3,196	19,793	16,850
37	Transportation equipment	27,151	26,323	26,835	26,024	+3.1	-1.9	+4.3	28,814	27,378	28,019	27,680	168,359	159,792
371	Motor vehicles and parts	16,427	16,320	16,762	15,963	+0.7	-2.6	+2.9	17,728	17,512	18,145	17,301	108,448	102,988
372,6	Aircraft, missiles, and parts	8,866	8,242	8,300	8,343	+7.6	-0.7	+6.3	9,209	8,100	8,107	8,646	49,432	46,577
3731,95	Shipbuilding and military tank vehicles	877	817	789	916	+7.3	+3.5	-4.3	877	817	789	916	4,790	5,221
38	Instruments and related products	5,251	5,216	5,167	5,030	+0.7	+0.9	+4.4	5,674	5,185	4,972	5,428	30,839	29,959
381-4	Scientific and engineering instruments	3,472	3,447	3,456	3,397	+0.7	-0.3	+2.2	3,732	3,422	3,344	3,644	20,629	20,323
386	Photographic goods	1,620	1,612	1,555	1,466	+0.5	+3.7	+10.5	1,771	1,594	1,463	1,605	9,237	8,537
24,25, 39	All other durable goods	11,146	10,836	10,875	10,096	+2.9	-0.4	+10.4	12,100	11,118	11,199	10,953	65,655	59,602
	Nondurable goods industries	95,999	94,452	93,211	89,355	+1.6	+1.3	+7.4	99,381	94,073	92,286	92,594	558,902	535,617
	With unfilled orders	24,588	24,136	24,035	22,670	+1.9	+0.4	+8.5	25,326	23,905	23,628	23,337	143,428	131,000
20	Food and kindred products	27,892	27,498	27,555	26,104	+1.4	-0.2	+6.8	28,721	27,531	26,922	26,917	163,045	152,895
202	Dairy products	4,015	3,934	3,924	3,485	+2.1	+0.3	+15.2	4,192	4,042	3,910	3,641	23,513	20,733
208	Beverages	3,562	3,516	3,575	3,625	+1.3	-1.7	-1.7	4,004	3,780	3,772	4,082	21,391	21,937
203-6,9	All other foods	12,429	12,311	12,415	12,037	+1.0	-0.8	+3.3	12,516	11,932	11,732	12,125	73,246	69,527
21	Tobacco products	2,060	1,670	1,156	2,105	+23.4	+44.5	-2.1	2,060	1,670	1,156	2,105	8,701	8,978
22	Textile mill products	4,783	4,585	4,622	4,492	+4.3	-0.8	+6.5	5,149	4,621	4,601	4,845	27,864	26,868
221-4,6, 8,9	Broadwoven fabrics	2,933	2,791	2,813	2,807	+5.1	-0.8	+4.5	3,182	2,833	2,755	3,048	17,091	16,886
26	Paper and allied products	9,636	9,547	9,451	8,488	+0.9	+1.0	+13.5	10,151	9,591	9,516	8,944	57,836	50,590
261-3,6	Pulp, paper etc.	4,100	4,056	4,023	3,534	+1.1	+0.8	+16.0	4,299	4,135	4,079	3,708	24,847	21,123
265	Paperboard containers	2,155	2,096	2,056	1,861	+2.8	+1.9	+15.8	2,252	2,117	2,103	1,944	12,433	11,203
264	All other paper products	3,381	3,395	3,372	3,093	-0.4	+0.7	+9.3	3,600	3,339	3,334	3,292	20,556	18,264
28	Chemicals and allied products	17,683	17,887	17,514	16,043	-1.1	+2.1	+10.2	18,803	18,109	17,986	17,087	107,134	101,586
281,6	Industrial chemicals, except pigments	5,233	5,438	5,082	4,575	-3.8	+7.0	+14.4	5,537	5,472	5,291	4,841	31,288	28,817
283,4	Drugs, soaps, and toiletries	5,880	5,860	5,963	5,672	+0.3	-1.7	+3.7	6,433	5,445	5,474	6,201	35,352	33,707
282,9	Other chemical products	4,267	4,378	4,126	3,755	-2.5	+6.1	+13.6	4,386	4,442	4,277	3,867	25,332	23,525
29	Petroleum and coal products	11,000	10,743	10,384	10,425	+2.4	+3.5	+5.5	11,138	10,756	10,324	10,612	61,894	70,717
30	Rubber and plastics products	6,623	6,528	6,545	6,156	+1.5	-0.3	+7.6	7,024	6,598	6,646	6,536	39,639	36,459
23,27, 31	All other nondurable goods	16,322	15,994	15,984	15,542	+2.1	+0.1	+5.0	16,335	15,197	15,135	15,548	92,789	87,524
	Market categories:													
	Home goods and apparel	13,722	13,438	13,330	12,901	+2.1	+0.8	+6.4	14,479	12,705	12,700	13,593	78,801	74,240
	Consumer staples	40,010	39,477	38,897	38,153	+1.4	+1.5	+4.9	41,502	39,030	37,647	39,591	231,500	217,184
	Equipment and defense products, except automotive	31,980	31,151	31,169	31,118	+2.7	-0.1	+2.8	35,276	30,713	30,460	34,277	185,928	183,460
	Automotive equipment	18,511	18,344	18,852	17,843	+0.9	-2.7	+3.7	19,942	19,584	20,320	19,306	120,627	114,427
	Construction materials, supplies and intermediate products	15,782	15,619	15,931	14,918	+1.0	-2.0	+5.8	17,363	16,304	16,451	16,461	95,315	89,038
	Other materials, supplies, and intermediate products	80,538	78,900	77,779	74,024	+2.1	+1.4	+8.8	84,205	79,929	79,137	77,426	474,299	461,726
	Supplementary series:[2]													
	Capital goods industries	37,310	36,211	36,079	35,767	+3.0	+0.4	+4.3	40,800	35,548	35,126	39,086	215,229	208,679
	Nondefense	27,831	26,974	27,319	26,649	+3.2	-1.3	+4.4	30,934	26,464	26,564	29,616	161,523	158,183
	Defense	9,479	9,237	8,760	9,118	+2.6	+5.4	+4.0	9,866	9,084	8,562	9,470	53,706	50,496
	Household durable goods industries	6,390	6,294	6,175	6,039	+1.5	+1.9	+5.8	6,973	6,111	6,009	6,568	37,144	34,291

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1987[p]	May 1987[r]	Apr. 1987	June 1986[r]	May-June[p]	Apr.-May[r]	June-87/86	June 1987[p]	May 1987[r]	Apr. 1987	June 1986	1987[p]	1986
	All manufacturing industries	204,816	201,397	200,624	187,022	+1.7	+0.4	+9.5	213,538	200,163	200,818	195,514	1,200,732	1,144,207
	Manufacturing industries with unfilled orders	113,340	111,393	111,258	102,015	+1.7	+0.1	+11.1	117,490	108,799	110,404	106,094	658,115	623,128
	Durable goods industries	108,720	106,992	106,977	97,899	+1.6	0.0	+11.1	114,052	106,201	108,067	103,133	639,679	608,210
	With unfilled orders	88,655	87,304	86,787	79,577	+1.5	+0.6	+11.4	92,059	85,005	86,311	82,970	512,536	491,748
32	Stone, clay, and glass products	4,917	4,986	5,037	4,748	-1.4	-1.0	+3.6	5,322	5,150	5,223	5,150	30,115	28,438
33	Primary metals	9,881	9,509	9,285	8,363	+3.9	+2.4	+18.2	9,749	8,930	9,619	8,233	55,536	53,448
331	Blast furnaces, steel mills	4,536	4,241	4,381	3,641	+7.0	-3.2	+24.6	4,145	3,645	4,517	3,349	24,248	22,822
332	Iron and steel foundries	726	870	755	860	-16.6	+15.2	-15.6	803	860	819	933	4,906	5,676
333-9	Nonferrous and other primary metals	4,619	4,398	4,149	3,862	+5.0	+6.0	+19.6	4,801	4,425	4,283	3,951	26,382	24,950
34	Fabricated metal products	11,613	11,036	11,219	11,395	+5.2	-1.6	+1.9	12,324	11,380	11,347	12,137	68,698	68,827
35	Machinery, except electrical	17,028	17,583	17,667	16,479	-3.2	-0.5	+3.3	19,183	17,810	17,891	18,708	104,724	101,992
351	Engines and turbines	781	1,398	1,274	1,029	-44.1	+9.7	-24.1	844	1,470	1,302	1,078	6,775	7,217
353	Construction, mining, and material handling equipment	2,099	2,023	2,174	1,947	+3.8	-6.9	+7.8	2,231	2,121	2,236	2,090	12,393	13,338
354	Metalworking machinery	671	707	735	567	-5.1	-3.8	+18.3	763	701	725	684	4,380	4,275
357	Office and computing machines	4,546	4,846	4,863	4,765	-6.2	-0.3	-4.6	5,705	4,686	4,576	6,021	26,833	25,284
36	Electrical machinery	19,694	18,353	19,709	18,095	+7.3	-6.9	+8.8	20,763	17,565	18,647	18,906	108,664	102,544
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,260	2,169	2,204	1,975	+4.2	-1.6	+14.4	2,398	2,136	2,160	2,096	13,322	12,378
363	Household appliances	1,616	1,526	1,543	1,361	+5.9	-1.1	+18.7	1,854	1,532	1,533	1,550	9,374	8,146
365	Radio and TV	1,027	1,273	942	1,022	-19.3	+35.1	+0.5	1,144	1,151	828	1,137	5,987	5,752
366	Communication equipment	7,086	5,658	7,491	6,968	+25.2	-24.5	+1.7	7,297	5,116	6,533	7,054	35,343	36,907
367	Electronic components	4,195	4,311	4,094	3,651	-2.7	+5.3	+14.9	4,363	4,400	4,345	3,799	24,808	22,267
364,9	Other electrical machinery	3,510	3,416	3,435	3,118	+2.8	-0.6	+12.6	3,707	3,230	3,248	3,270	19,830	17,094
37	Transportation equipment	29,015	29,571	28,028	23,822	-1.9	+5.5	+21.8	28,741	28,901	29,025	23,742	173,559	162,520
372,6	Aircraft, missiles, and parts	9,678	10,277	9,055	6,253	-5.8	+13.5	+54.8	8,338	8,918	8,774	5,076	52,060	49,221
3731,95	Shipbuilding and military tank vehicles	1,851	1,737	1,092	925	+6.6	+59.1	+100.1	1,649	1,488	1,167	721	6,896	5,449
38	Instruments and related products	5,432	5,189	5,235	4,969	+4.7	-0.9	+9.3	5,861	5,161	5,046	5,372	31,327	29,832
381-4	Scientific and engineering instruments	3,621	3,409	3,488	3,357	+6.2	-2.3	+7.9	3,881	3,384	3,376	3,604	20,903	20,142
24,25, 39	All other durable goods	11,140	10,765	10,797	10,028	+3.5	-0.3	+11.1	12,109	11,304	11,269	10,885	67,056	60,609
	Nondurable goods industries	96,096	94,405	93,647	89,123	+1.8	+0.8	+7.8	99,486	93,962	92,751	92,381	561,053	535,997
	With unfilled orders	24,685	24,089	24,471	22,438	+2.5	-1.6	+10.0	25,431	23,794	24,093	23,124	145,579	131,380
	Market categories:													
	Home goods and apparel	13,658	13,472	13,320	12,774	+1.4	+1.1	+6.9	14,335	12,844	12,760	13,395	80,102	75,275
	Consumer staples	39,992	39,434	38,906	38,125	+1.4	+1.4	+4.9	41,441	38,943	37,653	39,519	231,349	217,159
	Equipment and defense products, except automotive	34,256	35,175	33,471	30,911	-2.6	+5.1	+10.8	35,245	33,203	32,384	31,979	191,735	186,073
	Automotive equipment	18,523	18,577	18,967	17,738	-0.3	-2.1	+4.4	19,902	19,558	20,261	19,149	120,945	114,238
	Construction materials, supplies and intermediate products	15,787	15,607	15,830	14,859	+1.2	-1.4	+6.2	17,328	16,372	16,410	16,373	95,363	89,236
	Other materials, supplies, and intermediate products	82,600	79,132	80,130	72,615	+4.4	-1.2	+13.8	85,287	79,243	81,350	75,099	481,238	462,226
	Supplementary series:[2]													
	Capital goods industries	40,188	39,472	39,316	34,165	+1.8	+0.4	+17.6	41,238	37,094	37,829	35,261	221,938	212,178
	Nondefense	29,569	30,031	28,310	25,851	-1.5	+6.1	+14.4	32,496	29,664	27,803	28,730	169,793	157,157
	Defense	10,619	9,441	11,006	8,314	+12.5	-14.2	+27.7	8,742	7,430	10,026	6,531	52,145	55,021
	Household durable goods industries	6,340	6,353	6,100	5,946	-0.2	+4.1	+6.6	6,879	6,252	5,975	6,423	38,029	35,208

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		June 1987p	May 1987r	Apr. 1987	June 1986r	May-June p	Apr.-May r	June-87/86	June 1987p	May 1987r	Apr. 1987	June 1986
	All manufacturing industries	384,627	380,354	375,886	373,842	+1.1	+1.2	+2.9	384,672	383,901	382,003	374,059
	Durable goods industries	371,686	367,510	362,995	363,276	+1.1	+1.2	+2.3	371,647	370,981	368,972	363,426
32	Stone, clay, and glass products	2,471	2,494	2,469	2,643	-0.9	+1.0	-6.5	2,532	2,582	2,576	2,708
33	Primary metals	19,505	18,688	17,822	16,090	+4.4	+4.9	+21.2	19,183	19,177	19,281	15,845
331	Blast furnaces, steel mills	10,959	10,282	9,762	8,145	+6.6	+5.3	+34.5	10,532	10,593	10,876	7,821
332	Iron and steel foundries	2,693	2,727	2,597	2,632	-1.2	+5.0	+2.3	2,698	2,729	2,656	2,631
333-9	Nonferrous and other primary metals	5,853	5,679	5,463	5,313	+3.1	+4.0	+10.2	5,953	5,855	5,749	5,393
34	Fabricated metal products	18,815	18,415	18,441	19,283	+2.2	-0.1	-2.4	19,007	18,630	18,567	19,494
35	Machinery, except electrical	55,736	56,017	55,544	57,619	-0.5	+0.9	-3.3	56,141	56,586	55,963	58,058
351	Engines and turbines	14,286	14,693	14,460	16,231	-2.8	+1.6	-12.0	14,104	14,552	14,317	16,044
353	Construction, mining, and material handling equipment	4,351	4,354	4,378	4,690	-0.1	-0.5	-7.2	4,329	4,410	4,413	4,670
354	Metalworking machinery	2,965	3,098	3,147	3,437	-4.3	-1.6	-13.7	2,938	3,061	3,082	3,409
357	Office and computing machines	18,934	18,980	18,811	18,909	-0.2	+0.9	+0.1	19,597	19,540	19,142	19,610
36	Electrical machinery	92,880	91,656	91,629	93,483	+1.3	0.0	-0.6	93,141	92,486	92,750	93,738
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,351	5,359	5,436	5,402	-0.1	-1.4	-0.9	5,355	5,402	5,474	5,407
363	Household appliances	220	225	240	327	-2.2	-6.3	-32.7	235	242	243	349
365	Radio and TV	273	325	216	425	-16.0	+50.5	-35.8	273	325	216	425
366	Communication equipment	69,004	67,991	68,352	69,200	+1.5	-0.5	-0.3	69,004	68,370	69,123	69,187
367	Electronic components	16,294	16,031	15,673	16,305	+1.6	+2.3	-0.1	16,538	16,418	15,991	16,550
364,9	Other electrical machinery	1,738	1,725	1,712	1,824	+0.8	+0.8	-4.7	1,736	1,729	1,703	1,820
37	Transportation equipment	167,783	165,919	162,671	160,671	+1.1	+2.0	+4.4	166,989	167,062	165,539	159,957
372,6	Aircraft, missiles, and parts	141,911	141,099	139,064	136,275	+0.6	+1.5	+4.1	141,354	142,225	141,407	135,815
3731,95	Shipbuilding and military tank vehicles	19,490	18,516	17,596	18,247	+5.3	+5.2	+6.8	19,452	18,680	18,009	18,187
38	Instruments and related products	8,649	8,468	8,495	8,333	+2.1	-0.3	+3.8	8,663	8,476	8,500	8,345
381-4	Scientific and engineering instruments	7,678	7,529	7,567	7,405	+2.0	-0.5	+3.7	7,678	7,529	7,567	7,405
24,25, 39	All other durable goods	5,847	5,853	5,924	5,154	-0.1	-1.2	+13.4	5,991	5,982	5,796	5,281
	Nondurable goods industries	12,941	12,844	12,891	10,566	+0.8	-0.4	+22.5	13,025	12,920	13,031	10,633
	Market categories:											
	Home goods and apparel	4,581	4,645	4,611	4,241	-1.4	+0.7	+8.0	4,633	4,777	4,638	4,298
	Consumer staples	685	703	746	821	-2.6	-5.8	-16.6	612	673	760	736
	Equipment and defense products, except automotive	243,645	241,369	237,345	239,059	+0.9	+1.7	+1.9	243,794	243,825	241,335	239,285
	Automotive equipment	6,021	6,009	5,776	5,736	+0.2	+4.0	+5.0	5,822	5,862	5,888	5,542
	Construction materials, supplies and intermediate products	9,918	9,913	9,925	10,424	+0.1	-0.1	-4.9	10,136	10,171	10,103	10,659
	Other materials, supplies, and intermediate products	119,777	117,715	117,483	113,561	+1.8	+0.2	+5.5	119,675	118,593	119,279	113,539
	Supplementary series:[2]											
	Capital goods industries	296,227	293,349	290,088	291,422	+1.0	+1.1	+1.6	296,023	295,585	294,039	291,312
	Nondefense	134,899	133,161	130,104	127,275	+1.3	+2.3	+6.0	135,290	133,728	130,528	127,698
	Defense	161,328	160,188	159,984	164,147	+0.7	+0.1	-1.7	160,733	161,857	163,511	163,614
	Household durable goods industries	3,831	3,881	3,822	3,681	-1.3	+1.5	+4.1	3,845	3,939	3,798	3,704

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: June 1987[P]	May 1987[r]	Apr. 1987	June 1986[r]	Percent change: May-June[P]	Apr.-May[r]	June-87/86	Not seasonally adjusted[1]: End of month: June 1987[P]	May 1987[r]	Apr. 1987	June 1986
	All manufacturing industries	321,403	321,848	320,785	321,261	-0.1	+0.3	0.0	322,317	324,696	322,978	322,241
	Manufacturing industries with unfilled orders	217,540	218,367	217,881	219,521	-0.4	+0.2	-0.9	219,620	221,106	219,526	221,608
	Durable goods industries	208,185	209,096	208,683	211,063	-0.4	+0.2	-1.4	209,513	211,505	210,363	212,426
	With unfilled orders	190,954	191,763	191,502	194,248	-0.4	+0.1	-1.7	192,588	194,113	192,803	195,893
2	Stone, clay, and glass products	6,937	7,015	6,988	6,988	-1.1	+0.4	-0.7	7,076	7,228	7,167	7,125
3	Primary metals	16,208	16,312	16,520	18,259	-0.6	-1.3	-11.2	16,419	16,523	16,610	18,490
31	Blast furnaces, steel mills	7,252	7,287	7,381	8,813	-0.5	-1.3	-17.7	7,354	7,334	7,230	8,929
32	Iron and steel foundries	1,195	1,186	1,165	1,165	+0.8	+1.8	+2.6	1,211	1,229	1,228	1,180
33-9	Nonferrous and other primary metals	7,761	7,639	7,974	8,281	-1.0	-1.7	-6.3	7,854	7,960	8,152	8,381
4	Fabricated metal products	21,207	21,343	21,366	21,740	-0.6	-0.1	-2.5	21,634	21,662	21,692	22,180
5	Machinery, except electrical	40,760	41,092	41,228	43,078	-0.8	-0.3	-5.4	40,826	41,591	41,558	43,160
51	Engines and turbines	2,827	2,796	2,833	2,765	+1.1	-1.3	+2.2	2,855	2,850	2,832	2,791
53	Construction, mining, and material handling equipment	6,517	6,555	6,678	7,192	-0.6	-1.8	-9.4	6,484	6,613	6,715	7,161
54	Metalworking machinery	2,904	2,929	2,962	2,861	-0.9	-1.1	+1.5	2,924	2,983	2,989	2,885
57	Office and computing machines	9,688	9,777	9,650	11,014	-0.9	+1.3	-12.0	9,678	9,968	9,747	11,009
6	Electrical machinery	39,094	39,277	39,164	39,082	-0.5	+0.3	0.0	39,643	39,880	39,474	39,637
61,2	Electrical transmission and distribution equipment and industrial apparatus	4,877	4,947	5,008	5,038	-1.4	-1.2	-3.2	4,926	5,021	5,043	5,091
63	Household appliances	2,640	2,746	2,727	2,782	-3.9	+0.7	-5.1	2,790	2,959	2,916	2,940
65	Radio and TV	1,678	1,726	1,771	1,605	-2.8	-2.5	+4.5	1,769	1,782	1,750	1,693
66	Communication equipment	16,362	16,344	16,249	16,277	+0.1	+0.6	+0.5	16,377	16,406	16,278	16,294
67	Electronic components	7,804	7,759	7,693	7,649	+0.6	+0.9	+2.0	7,905	7,827	7,694	7,743
64,9	Other electrical machinery	5,733	5,755	5,716	5,731	-0.4	+0.7	0.0	5,876	5,885	5,793	5,876
7	Transportation equipment	54,147	54,084	53,735	53,274	+0.1	+0.6	+1.6	53,972	54,306	53,887	53,069
71	Motor vehicles and parts	11,155	11,188	11,082	11,213	-0.3	+1.0	-0.5	10,703	11,046	11,150	10,772
72,6	Aircraft, missiles, and parts	39,150	39,035	38,749	38,455	+0.3	+0.7	+1.8	39,484	39,417	38,889	38,749
731,95	Shipbuilding and military tank vehicles	2,083	2,097	2,153	1,804	-0.7	-2.6	+15.5	2,082	2,106	2,160	1,805
8	Instruments and related products	12,459	12,544	12,459	12,522	-0.7	+0.7	-0.5	12,664	12,786	12,563	12,729
81-4	Scientific and engineering instruments	8,924	9,005	8,937	9,094	-0.9	+0.8	-1.9	9,022	9,131	8,986	9,197
86	Photographic goods	2,882	2,895	2,903	2,849	-0.4	-0.3	+1.2	2,960	2,990	2,943	2,927
4,25, 39	All other durable goods	17,373	17,429	17,223	16,120	-0.3	+1.2	+7.8	17,279	17,529	17,412	16,036
	Nondurable goods industries	113,218	112,752	112,102	110,198	+0.4	+0.6	+2.7	112,804	113,191	112,615	109,815
	With unfilled orders	26,586	26,604	26,379	25,273	-0.1	+0.9	+5.2	27,032	26,993	26,723	25,715
0	Food and kindred products	24,786	24,211	23,880	23,652	+2.4	+1.4	+4.8	23,493	23,418	23,383	22,426
02	Dairy products	2,213	2,190	2,113	1,817	+1.1	+3.6	+21.8	2,257	2,257	2,166	1,853
08	Beverages	4,519	4,534	4,578	4,714	-0.3	-1.0	-4.1	4,546	4,623	4,737	4,744
03-6,9	All other foods	14,661	14,135	13,952	14,065	+3.7	+1.3	+4.2	13,415	13,215	13,187	12,872
1	Tobacco products	5,931	5,803	5,712	5,603	+2.2	+1.6	+5.9	5,534	5,707	5,812	5,228
2	Textile mill products	6,757	6,810	6,868	6,975	-0.8	-0.8	-3.1	6,899	6,986	7,005	7,103
21-4,6, 8,9	Broadwoven fabrics	3,709	3,777	3,829	4,061	-1.8	-1.4	-8.7	3,761	3,837	3,911	4,104
6	Paper and allied products	10,953	10,909	10,817	10,111	+0.4	+0.9	+8.3	11,105	11,107	11,017	10,255
61-3,6	Pulp, paper etc.	4,172	4,201	4,187	3,929	-0.7	+0.3	+6.2	4,201	4,250	4,230	3,958
65	Paperboard containers	2,772	2,773	2,731	2,414	0.0	+1.5	+14.8	2,802	2,799	2,774	2,442
64	All other paper products	4,009	3,935	3,899	3,768	+1.9	+0.9	+6.4	4,102	4,058	4,013	3,855
8	Chemicals and allied products	26,471	26,783	26,867	25,925	-1.2	-0.3	+2.1	26,484	26,886	27,043	25,901
81,6	Industrial chemicals, except pigments	7,740	7,991	8,085	7,885	-3.1	-1.2	-1.8	7,740	7,991	8,085	7,885
83,4	Drugs, soaps, and toiletries	8,910	8,712	8,670	8,249	+2.3	+0.5	+8.0	9,070	8,914	8,784	8,398
82,9	Other chemical products	6,282	6,432	6,452	5,872	-2.3	-0.3	+7.0	6,282	6,448	6,501	5,870
9	Petroleum and coal products	10,309	10,227	10,290	10,947	+0.8	-0.6	-5.8	10,254	10,248	10,104	10,881
0	Rubber and plastics products	8,629	8,677	8,565	8,466	-0.6	+1.3	+1.9	8,809	8,938	8,868	8,650
3,27, 31	All other nondurable goods	19,382	19,332	19,103	18,519	+0.3	+1.2	+4.7	20,226	19,901	19,383	19,371
	Market categories:											
	Home goods and apparel	25,554	25,783	25,666	24,696	-0.9	+0.5	+3.5	26,667	26,779	26,154	25,805
	Consumer staples	42,855	41,988	41,580	40,725	+2.1	+1.0	+5.2	41,476	41,371	41,337	39,411
	Equipment and defense products, except automotive	92,047	92,316	92,173	94,269	-0.3	+0.2	-2.4	92,253	93,275	92,693	94,503
	Automotive equipment	13,515	13,591	13,486	13,827	-0.6	+0.8	-2.3	13,049	13,495	13,573	13,374
	Construction materials, supplies and intermediate products	23,141	23,186	23,015	22,597	-0.2	+0.7	+2.4	23,391	23,518	23,469	22,849
	Other materials, supplies, and intermediate products	124,291	124,984	124,865	125,147	-0.6	+0.1	-0.7	125,481	126,258	125,752	126,299
	Supplementary series:[2]											
	Capital goods industries	106,539	106,804	106,652	107,801	-0.2	+0.1	-1.2	107,262	108,021	107,272	108,516
	Nondefense	71,710	71,938	71,936	74,252	-0.3	0.0	-3.4	71,942	72,739	72,364	74,488
	Defense	34,829	34,866	34,716	33,549	-0.1	+0.4	+3.8	35,320	35,282	34,908	34,028
	Household durable goods industries	13,045	13,295	13,196	12,500	-1.9	+0.8	+4.4	13,393	13,694	13,418	12,853

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		June 1987p	May 1987r	Apr. 1987	June 1986r	May-June p	Apr.-May r	June-87/86	June 1987p	May 1987r	Apr. 1987	June 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	103,745	103,768	103,394	102,504	0.0	+0.4	+1.2	103,308	103,482	103,502	102,047
	Durable goods industries	59,462	59,723	59,770	60,326	-0.4	-0.1	-1.4	59,276	59,469	59,550	60,102
32	Stone, clay, and glass products	2,204	2,238	2,225	2,269	-1.5	+0.6	-2.9	2,203	2,236	2,222	2,265
33	Primary metals	5,060	5,127	5,363	5,840	-1.3	-4.4	-13.4	5,015	4,993	5,150	5,783
34	Fabricated metal products	7,318	7,314	7,312	7,951	+0.1	0.0	-8.0	7,344	7,295	7,348	7,980
35	Machinery, except electrical	11,695	11,625	11,702	11,789	+0.6	-0.7	-0.8	11,665	11,646	11,718	11,707
36	Electrical machinery	10,532	10,534	10,428	10,518	0.0	+1.0	+0.1	10,575	10,564	10,484	10,562
37	Transportation equipment	11,924	12,086	12,170	11,845	-1.3	-0.7	+0.7	11,949	12,144	12,221	11,888
38	Instruments and related products	4,175	4,204	4,122	3,999	-0.7	+2.0	+4.4	4,192	4,215	4,128	4,023
24,25, 39	All other durable goods	6,554	6,595	6,448	6,115	-0.6	+2.3	+7.2	6,333	6,376	6,279	5,894
	Nondurable goods industries	44,283	44,045	43,624	42,178	+0.5	+1.0	+5.0	44,032	44,013	43,952	41,945
20	Food and kindred products	9,237	9,151	8,905	8,531	+0.9	+2.8	+8.3	8,999	9,035	9,035	8,311
21	Tobacco products	5,003	4,884	4,821	4,682	+2.4	+1.3	+6.9	4,674	4,791	4,823	4,369
22	Textile mill products	1,842	1,857	1,854	2,002	-0.8	+0.2	-8.0	1,894	1,921	1,904	2,055
26	Paper and allied products	5,706	5,632	5,618	5,174	+1.3	+0.2	+10.3	5,741	5,645	5,667	5,209
28	Chemicals and allied products	8,857	8,973	8,984	8,784	-1.3	-0.1	+0.8	8,866	8,981	8,992	8,781
29	Petroleum and coal products	3,050	3,017	3,002	3,137	+1.1	+0.5	-2.8	3,072	3,059	3,016	3,171
30	Rubber and plastics products	3,305	3,300	3,212	3,088	+0.2	+2.7	+7.0	3,381	3,348	3,250	3,166
23,27, 31	All other nondurable goods	7,283	7,231	7,228	6,780	+0.7	0.0	+7.4	7,405	7,233	7,265	6,883
	WORK IN PROCESS											
	All manufacturing industries	114,208	113,797	113,167	114,960	+0.4	+0.6	-0.7	114,399	114,728	113,847	115,121
	Durable goods industries	96,002	95,768	95,335	97,565	+0.2	+0.5	-1.6	96,177	96,543	95,891	97,731
32	Stone, clay, and glass products	994	986	981	1,025	+0.8	+0.5	-3.0	1,009	996	1,009	1,042
33	Primary metals	6,446	6,452	6,388	6,757	-0.1	+1.0	-4.6	6,518	6,561	6,474	6,827
34	Fabricated metal products	7,407	7,515	7,606	7,434	-1.4	-1.2	-0.4	7,552	7,654	7,697	7,589
35	Machinery, except electrical	16,961	16,805	16,705	18,373	+0.9	+0.6	-7.7	16,919	16,904	16,912	18,362
36	Electrical machinery	20,021	20,088	19,997	20,004	-0.3	+0.5	+0.1	20,142	20,247	20,003	20,128
37	Transportation equipment	35,923	35,610	35,228	35,551	+0.9	+1.1	+1.0	35,710	35,744	35,303	35,282
38	Instruments and related products	4,729	4,765	4,789	5,013	-0.8	-0.5	-5.7	4,834	4,887	4,835	5,122
24,25, 39	All other durable goods	3,521	3,547	3,641	3,408	-0.7	-2.6	+3.3	3,493	3,550	3,658	3,379
	Nondurable goods industries	18,206	18,029	17,832	17,395	+1.0	+1.1	+4.7	18,222	18,185	17,956	17,390
20	Food and kindred products	2,551	2,434	2,402	2,487	+4.8	+1.3	+2.6	2,480	2,398	2,396	2,419
21	Tobacco products	110	125	120	117	-12.0	+4.2	-6.0	109	125	120	115
22	Textile mill products	2,093	2,076	2,126	2,045	+0.8	-2.4	+2.3	2,072	2,100	2,139	2,016
26	Paper and allied products	1,260	1,269	1,251	1,129	-0.7	+1.4	+11.6	1,272	1,276	1,240	1,140
28	Chemicals and allied products	4,067	4,057	4,067	3,926	+0.2	-0.2	+3.6	4,152	4,097	4,030	4,002
29	Petroleum and coal products	2,245	2,228	2,143	2,379	+0.8	+4.0	-5.6	2,262	2,259	2,153	2,405
30	Rubber and plastics products	1,274	1,317	1,346	1,305	-3.3	-2.2	-2.4	1,262	1,310	1,340	1,288
23,27, 31	All other nondurable goods	4,606	4,523	4,377	4,007	+1.8	+3.3	+14.9	4,613	4,620	4,538	4,005
	FINISHED GOODS											
	All manufacturing industries	103,450	104,283	104,224	103,797	-0.8	+0.1	-0.3	104,610	106,486	105,629	105,073
	Durable goods industries	52,721	53,605	53,578	53,172	-1.6	+0.1	-0.8	54,060	55,493	54,922	54,593
32	Stone, clay, and glass products	3,739	3,791	3,782	3,694	-1.4	+0.2	+1.2	3,864	3,996	3,936	3,818
33	Primary metals	4,702	4,733	4,769	5,662	-0.7	-0.8	-17.0	4,886	4,969	4,986	5,880
34	Fabricated metal products	6,482	6,514	6,448	6,355	-0.5	+1.0	+2.0	6,738	6,713	6,647	6,611
35	Machinery, except electrical	12,104	12,662	12,821	12,916	-4.4	-1.2	-6.3	12,242	13,041	12,928	13,091
36	Electrical machinery	8,541	8,655	8,739	8,560	-1.3	-1.0	-0.2	8,926	9,069	8,987	8,947
37	Transportation equipment	6,300	6,388	6,337	5,878	-1.4	+0.8	+7.2	6,313	6,418	6,363	5,899
38	Instruments and related products	3,555	3,575	3,548	3,510	-0.6	+0.8	+1.3	3,638	3,684	3,600	3,584
24,25, 39	All other durable goods	7,298	7,287	7,134	6,597	+0.2	+2.1	+10.6	7,453	7,603	7,475	6,763
	Nondurable goods industries	50,729	50,678	50,646	50,625	+0.1	+0.1	+0.2	50,550	50,993	50,707	50,480
20	Food and kindred products	12,998	12,626	12,573	12,634	+2.9	+0.4	+2.9	12,014	11,985	11,952	11,696
21	Tobacco products	818	794	771	804	+3.0	+3.0	+1.7	751	791	869	744
22	Textile mill products	2,822	2,877	2,888	2,928	-1.9	-0.4	-3.6	2,933	2,965	2,962	3,032
26	Paper and allied products	3,987	4,008	3,948	3,808	-0.5	+1.5	+4.7	4,092	4,186	4,110	3,906
28	Chemicals and allied products	13,547	13,753	13,816	13,215	-1.5	-0.5	+2.5	13,466	13,808	14,021	13,118
29	Petroleum and coal products	5,014	4,982	5,145	5,431	+0.6	-3.2	-7.7	4,920	4,930	4,935	5,305
30	Rubber and plastics products	4,050	4,060	4,007	4,073	-0.2	+1.3	-0.6	4,166	4,280	4,278	4,196
23,27, 31	All other nondurable goods	7,493	7,578	7,498	7,732	-1.1	+1.1	-3.1	8,208	8,048	7,580	8,483

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		June 1987[p]	May 1987[r]	Apr. 1987	June 1986[r]	June 1987[p]	May 1987[r]	Apr. 1987	June 1986[r]
	All manufacturing industries	1.60	1.63	1.64	1.70	3.53	3.56	3.53	3.60
	Durable goods industries	1.99	2.04	2.03	2.12	4.40	4.44	4.40	4.47
32	Stone, clay, and glass products	1.40	1.41	1.38	1.48	0.55	0.55	0.53	0.61
33	Primary metals	1.79	1.89	1.95	2.22	2.15	2.16	2.10	1.96
34	Fabricated metal products	1.89	1.93	1.88	1.90	1.86	1.85	1.80	1.85
35	Machinery, except electrical	2.35	2.40	2.41	2.49	3.42	3.47	3.44	3.52
36	Electrical machinery	2.12	2.14	2.19	2.33	5.03	5.00	5.13	5.56
37	Transportation equipment	1.99	2.05	2.00	2.05	10.82	11.20	10.89	10.63
38	Instruments and related products	2.37	2.40	2.41	2.49	1.65	1.62	1.64	1.66
	Nondurable goods industries	1.18	1.19	1.20	1.23	0.53	0.53	0.54	0.47
20	Food and kindred products	0.89	0.88	0.87	0.91	(X)	(X)	(X)	(X)
21	Tobacco products	2.88	3.47	4.94	2.66	(X)	(X)	(X)	(X)
22	Textile mill products	1.41	1.49	1.49	1.55	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.14	1.14	1.14	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.50	1.50	1.53	1.62	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.94	0.95	0.99	1.05	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.33	1.31	1.38	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1986	All Junes 1982-1986	June 1986-May 1987	Year ago June 1986	All Junes 1982-1986	June 1986-May 1987	Year ago June 1986	All Junes 1982-1986	June 1986-May 1987	Year ago June 1986	All Junes 1982-1986	June 1986-May 1987
	All manufacturing industries	0.3	0.4	0.3	0.1	0.4	0.4	0.1	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.3	0.3	0.3	0.0	0.5	0.4	0.1	0.1	0.1	0.1	0.2	0.2
32	Stone, clay, and glass products	0.3	1.0	1.1	0.4	1.2	1.2	1.2	2.5	1.0	0.2	0.3	0.4
33	Primary metals	0.2	0.6	0.4	0.0	1.8	0.3	0.0	0.8	0.2	0.0	0.1	0.3
34	Fabricated metal products	0.5	0.3	0.8	0.0	0.5	1.0	0.3	0.3	0.5	0.2	0.3	0.2
35	Machinery, except electrical	0.1	1.2	0.7	0.3	1.3	1.0	0.1	0.2	0.1	0.1	0.1	0.2
36	Electrical machinery	0.1	0.6	0.2	0.4	0.8	0.5	0.1	0.1	0.1	0.1	0.2	0.1
37	Transportation equipment	0.4	0.8	0.2	0.1	0.8	0.5	0.1	0.1	0.1	0.0	0.3	0.1
38	Instruments and related products	0.1	0.9	1.3	0.6	1.3	1.3	0.4	1.1	0.3	0.1	0.4	0.2
	Nondurable goods industries	0.3	0.5	0.3	0.2	0.5	0.3	0.2	0.6	0.5	0.2	0.1	0.2
20	Food and kindred products	0.0	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.6	0.2
21	Tobacco products	1.1	0.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.3
22	Textile mill products	1.2	1.5	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.4	0.7
26	Paper and allied products	0.1	0.6	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.2	0.4
28	Chemicals and allied product	1.7	1.9	0.9	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.4	0.4
29	Petroleum and coal products	0.2	0.7	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.5
30	Rubber and plastics products	0.2	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7	0.4
	Capital goods industries:												
	Nondefense	0.0	0.9	0.5	0.2	1.3	0.6	0.0	0.1	0.1	0.0	0.1	0.1
	Defense	0.9	0.5	0.5	0.6	2.8	2.0	0.1	0.2	0.1	0.2	0.6	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PA
U.S. DEPARTMENT OF COMMERC
COM-2

First Class Ma

C 3.158:
M 3-1 (87)-7

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

July 1987
M3-1(87)-7
For Wire Transmission 10:00 a.m. E.D.T. Tuesday, September 1, 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in July declined $0.5 billion or 0.2 percent to $204.9 billion. A decrease in durable goods of 0.6 percent more than offset a 0.2 percent increase in nondurables. The durable goods decrease was revised from the earlier reported 1.5 percent decline.

Shipments of manufactured goods declined $1.3 billion or 0.7 percent to $199.3 billion. Virtually all of the decline was in the durable goods sector which was down 1.2 percent; nondurables declined 0.1 percent.

Unfilled orders for manufactured goods in July increased $5.7 billion or 1.5 percent to $390.9 billion. This is the fifth consecutive monthly increase and the fourth in excess of 1.0 percent per month.

Inventories held by manufacturers as of the end of July were up $1.4 billion or 0.4 percent from June to $323.0 billion. This is the third increase in the last four months and follows a downward trend which extended from March 1985 at $333.9 billion to March 1987 at $320.1 billion. The inventory to shipments ratio for July was 1.62 percent, up from 1.60 percent in June.

NEW ORDERS. New orders for manufactured durable goods in July declined $0.7 billion or 0.6 percent to $108.5 billion. This is the first decline in new orders since the 9.8 percent drop in January. Orders for transportation equipment were down $1.2 billion or 4.0 percent to $27.6 billion; declines in motor vehicles and parts and shipbuilding and tanks more than offset an increase in aircraft and parts. Declines were also reported in electrical machinery, fabricated metals and primary metals.

New orders for nonelectrical machinery increased $1.3 billion or 7.2 percent to $18.8 billion. Increases were widespread within the industry, with the largest in office and computing equipment which increased $0.5 billion or 11.1 percent to $5.1 billion.

New orders for nondurables increased $0.2 billion or 0.2 percent to $96.4 billion. Increases in foods, paper, petroleum, chemicals and leather more than offset declines in tobacco and printing and publishing.

SHIPMENTS. Shipments of durable goods in July declined $1.2 billion or 1.2 percent to $103.2 billion, the third decline in the last four months. A large decline in transportation equipment more than offset increases in most of the other major industries. Transportation declined $2.9 billion or 10.6 percent to $24.1 billion; nearly two-thirds of the decrease was in motor vehicles and parts. The largest increase in shipments was in nonelectrical machinery up $0.7 billion or 4.3 percent to $18.1 billion.

Shipments of nondurable goods showed a slight decline of $0.1 billion or 0.1 percent to $96.0 billion. The tobacco industry which has become very volatile was down $0.9 billion or 44.5 percent to $1.1 billion. Excluding tobacco, nondurable shipments increased 0.9 percent.

Unfilled orders for durable goods in July increased $5.3 billion or 1.4 percent to $377.5 billion. The largest increase was in transportation equipment, up $3.5 billion or 2.1 percent to $171.3 billion, all attributable to aircraft and parts. Other increases were in primary metals, up 2.0 percent, nonelectrical machinery up 1.2 percent, electrical machinery, up 0.5 percent, and instruments, up 1.6 percent.

INVENTORIES. Inventories of durable goods manufacturers in July increased $1.1 billion or 0.5 percent to $209.8 billion. Over half of the increase was in transportation equipment, up $0.8 billion or 1.4 percent to $55.0 billion. Nondurable goods inventories increased $0.3 billion or 0.2 percent to $113.2 billion. Increases were reported in most categories, more than offsetting a decline in food products.

Inventories by stage of fabrication in July showed materials and supplies down 0.5 percent, work in process up 0.4 percent and finished goods up 1.4 percent. The increase in finished goods was mostly in the durables sector, up 1.8 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for August is scheduled for September 23, 1987, at 8:30 a.m. and the full report on October 1, 1987 at 10:00 a.m.

SEP 21 1987

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1987[P]	June 1987[r]	May 1987	July 1986[r]	June-July[P]	May-June[r]	July-87/86	July 1987[P]	June 1987[r]	May 1987	July 1986	1987[P]	1986
	All manufacturing industries	199,251	200,591	196,929	186,331	-0.7	+1.9	+6.9	185,080	212,816	198,265	172,672	1,371,599	1,312,747
	Manufacturing industries with unfilled orders	108,928	109,062	106,925	102,878	-0.1	+2.0	+5.9	99,986	116,643	106,901	94,349	743,763	713,345
	Durable goods industries	103,235	104,476	102,477	99,712	-1.2	+2.0	+3.5	93,655	113,238	104,192	90,221	721,075	694,679
	With unfilled orders	84,096	84,449	82,789	80,950	-0.4	+2.0	+3.9	76,881	91,206	82,996	73,975	577,119	561,971
32	Stone, clay, and glass products	4,959	4,946	4,961	4,658	+0.3	-0.3	+6.5	4,925	5,380	5,144	4,623	34,946	32,901
33	Primary metals	9,289	9,018	8,643	8,222	+3.0	+4.3	+13.0	8,655	9,623	9,034	7,644	61,615	61,552
331	Blast furnaces, steel mills	4,053	3,879	3,721	3,651	+4.5	+4.2	+11.0	3,798	4,198	3,928	3,414	26,357	26,536
332	Iron and steel foundries	769	763	740	831	+0.8	+3.1	-7.5	694	834	787	747	5,578	6,154
333-9	Nonferrous and other primary metals	4,467	4,376	4,182	3,740	+2.1	+4.6	+19.4	4,163	4,591	4,319	3,483	29,680	28,862
34	Fabricated metal products	11,050	11,202	11,062	11,306	-1.4	+1.3	-2.3	10,425	11,976	11,317	10,634	78,842	79,669
35	Machinery, except electrical	18,071	17,328	17,110	17,055	+4.3	+1.3	+6.0	16,423	19,552	17,187	15,525	119,488	120,220
351	Engines and turbines	1,235	1,201	1,165	1,033	+2.8	+3.1	+19.6	1,119	1,298	1,235	935	8,301	8,499
353	Construction, mining, and material handling equipment	2,212	2,128	2,047	2,166	+3.9	+4.0	+2.1	2,320	2,324	2,124	2,267	14,731	16,598
354	Metalworking machinery	746	763	756	701	-2.2	+0.9	+6.4	642	839	722	604	5,092	5,058
357	Office and computing machines	4,915	4,618	4,677	4,766	+6.4	-1.3	+3.1	4,143	5,640	4,288	3,987	30,004	30,202
36	Electrical machinery	18,690	18,527	18,326	17,125	+0.9	+1.1	+9.1	16,617	20,105	17,829	15,229	124,707	114,418
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,264	2,268	2,246	2,148	-0.2	+1.0	+5.4	1,964	2,448	2,208	1,862	15,262	14,601
363	Household appliances	1,516	1,577	1,541	1,488	-3.9	+2.3	+1.9	1,486	1,815	1,533	1,461	10,842	9,602
365	Radio and TV	887	1,123	1,164	1,082	-21.0	-3.5	-18.0	792	1,230	1,042	964	6,903	6,726
366	Communication equipment	6,238	6,073	6,019	5,700	+2.7	+0.9	+9.4	5,380	6,656	5,869	4,925	40,998	38,434
367	Electronic components	4,354	4,017	3,953	3,665	+8.4	+1.6	+18.8	3,945	4,290	3,973	3,315	27,893	25,503
364,9	Other electrical machinery	3,431	3,469	3,403	3,042	-1.1	+1.9	+12.8	3,050	3,666	3,204	2,702	22,809	19,552
37	Transportation equipment	24,116	26,985	26,323	26,297	-10.6	+2.5	-8.3	20,685	28,787	27,378	22,512	189,017	182,304
371	Motor vehicles and parts	14,471	16,297	16,320	16,270	-11.2	-0.1	-11.1	11,391	17,700	17,512	12,843	119,811	115,831
372,6	Aircraft, missiles, and parts	7,996	8,845	8,242	8,362	-9.6	+7.3	-4.4	7,669	9,225	8,100	8,028	57,117	54,605
3731,95	Shipbuilding and military tank vehicles	735	872	817	871	-15.7	+6.7	-15.6	735	872	817	871	5,520	6,092
38	Instruments and related products	5,426	5,284	5,216	5,075	+2.7	+1.3	+6.9	5,028	5,724	5,185	4,710	35,917	34,669
381-4	Scientific and engineering instruments	3,681	3,497	3,447	3,350	+5.3	+1.5	+9.9	3,383	3,767	3,422	3,084	24,047	23,407
386	Photographic goods	1,581	1,624	1,612	1,532	-2.6	+0.7	+3.2	1,483	1,782	1,594	1,435	10,731	9,972
24,25, 39	All other durable goods	11,634	11,186	10,836	9,974	+4.0	+3.2	+16.6	10,897	12,091	11,118	9,344	76,543	68,946
	Nondurable goods industries	96,016	96,115	94,452	86,619	-0.1	+1.8	+10.8	91,425	99,578	94,073	82,451	650,524	618,068
	With unfilled orders	24,832	24,613	24,136	21,928	+0.9	+2.0	+13.2	23,105	25,437	23,905	20,374	166,644	151,374
20	Food and kindred products	28,317	27,880	27,498	26,312	+1.6	+1.4	+7.6	27,231	28,662	27,531	25,307	190,217	178,202
202	Dairy products	3,940	3,982	3,934	3,545	-1.1	+1.2	+11.1	3,991	4,151	4,042	3,587	27,463	24,320
208	Beverages	3,646	3,589	3,516	3,628	+1.6	+2.1	+0.5	3,930	4,029	3,780	3,915	25,346	25,852
203-6,9	All other foods	12,698	12,427	12,311	11,953	+2.2	+0.9	+6.2	11,466	12,473	11,932	10,796	84,669	80,323
21	Tobacco products	1,144	2,060	1,670	1,165	-44.5	+23.4	-1.8	1,144	2,060	1,670	1,165	9,845	10,143
22	Textile mill products	4,805	4,754	4,585	4,597	+1.1	+3.7	+4.5	4,113	5,126	4,621	3,931	31,954	30,799
221-4,6, 8,9	Broadwoven fabrics	2,938	2,886	2,791	2,836	+1.8	+3.4	+3.6	2,397	3,144	2,833	2,314	19,450	19,200
26	Paper and allied products	10,159	9,786	9,547	8,604	+3.8	+2.5	+18.1	9,672	10,295	9,591	8,200	67,652	58,790
261-3,6	Pulp, paper etc.	4,437	4,114	4,056	3,624	+7.9	+1.4	+22.4	4,151	4,298	4,135	3,394	28,997	24,517
265	Paperboard containers	2,220	2,232	2,096	1,858	-0.5	+6.5	+19.5	2,116	2,325	2,117	1,770	14,622	12,973
264	All other paper products	3,502	3,440	3,395	3,122	+1.8	+1.3	+12.2	3,405	3,672	3,339	3,036	24,033	21,300
28	Chemicals and allied products	18,039	17,779	17,887	16,130	+1.5	-0.6	+11.8	16,575	18,892	18,109	14,802	123,798	116,388
281,6	Industrial chemicals, except pigments	5,292	5,265	5,438	4,644	+0.5	-3.2	+14.0	4,980	5,572	5,472	4,368	36,303	33,185
283,4	Drugs, soaps, and toiletries	6,149	5,965	5,860	5,692	+3.1	+1.8	+8.0	5,534	6,514	5,445	5,118	40,967	38,825
282,9	Other chemical products	4,368	4,333	4,378	3,792	+0.8	-1.0	+15.2	4,102	4,453	4,442	3,555	29,501	27,080
29	Petroleum and coal products	11,406	11,074	10,743	9,649	+3.0	+3.1	+18.2	11,534	11,218	10,756	9,773	73,508	80,490
30	Rubber and plastics products	6,204	6,591	6,528	5,732	-5.9	+1.0	+8.2	5,880	7,041	6,598	5,436	45,536	41,895
23,27, 31	All other nondurable goods	15,942	16,191	15,994	14,430	-1.5	+1.2	+10.5	15,276	16,284	15,197	13,837	108,014	101,361
	Market categories:													
	Home goods and apparel	13,682	13,746	13,438	12,653	-0.5	+2.3	+8.1	12,711	14,460	12,705	11,791	91,493	86,031
	Consumer staples	39,585	40,151	39,477	36,678	-1.4	+1.7	+7.9	37,732	41,672	39,030	34,983	269,402	252,167
	Equipment and defense products, except automotive	32,525	32,000	31,151	30,816	+1.6	+2.7	+5.5	29,586	35,223	30,713	28,125	215,461	211,585
	Automotive equipment	16,522	18,379	18,344	18,100	-10.1	+0.2	-8.7	13,424	19,914	19,584	14,656	134,023	129,083
	Construction materials, supplies and intermediate products	16,116	15,745	15,619	14,850	+2.4	+0.8	+8.5	16,070	17,318	16,304	14,786	111,340	103,824
	Other materials, supplies, and intermediate products	80,821	80,570	78,900	73,234	+0.3	+2.1	+10.4	75,557	84,229	79,929	68,331	549,880	530,057
	Supplementary series:[2]													
	Capital goods industries	36,947	37,289	36,211	35,733	-0.9	+3.0	+3.4	33,806	40,733	35,548	32,751	248,968	241,430
	Nondefense	28,080	27,852	26,974	26,725	+0.8	+3.3	+5.1	25,515	30,885	26,464	24,283	186,989	182,466
	Defense	8,867	9,437	9,237	9,008	-6.0	+2.2	-1.6	8,291	9,848	9,084	8,468	61,979	58,964
	Household durable goods industries	6,365	6,445	6,294	5,949	-1.2	+2.4	+7.0	5,602	7,002	6,111	5,276	42,775	39,567

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		July 1987[p]	June 1987[r]	May 1987	July 1986[r]	June-July[p]	May-June[r]	July-87/86	July 1987[p]	June 1987[r]	May 1987	July 1986	1987[p]	1986
	All manufacturing industries	204,943	205,454	201,397	186,334	-0.2	+2.0	+10.0	189,804	214,098	200,163	171,499	1,391,096	1,315,706
	Manufacturing industries with unfilled orders	114,620	113,925	111,393	102,881	+0.6	+2.3	+11.4	104,710	117,925	108,799	93,176	763,260	716,304
	Durable goods industries	108,505	109,181	106,992	99,679	-0.6	+2.0	+8.9	97,833	114,356	106,201	88,928	737,816	697,138
	With unfilled orders	89,366	89,154	87,304	80,917	+0.2	+2.1	+10.4	81,059	92,324	85,005	72,682	593,860	564,430
32	Stone, clay, and glass products	5,001	4,913	4,986	4,632	+1.8	-1.5	+8.0	4,958	5,312	5,150	4,578	35,063	33,016
33	Primary metals	9,685	9,976	9,509	7,762	-2.9	+4.9	+24.8	8,757	9,796	8,930	7,028	64,340	60,476
331	Blast furnaces, steel mills	4,371	4,541	4,241	3,227	-3.7	+7.1	+35.5	3,934	4,145	3,645	2,915	28,182	25,737
332	Iron and steel foundries	793	740	870	805	+7.2	-14.9	-1.5	731	804	860	740	5,638	6,416
333-9	Nonferrous and other primary metals	4,521	4,695	4,398	3,730	-3.7	+6.8	+21.2	4,092	4,847	4,425	3,373	30,520	28,323
34	Fabricated metal products	11,131	11,603	11,036	11,166	-4.1	+5.1	-0.3	10,542	12,328	11,380	10,494	79,244	79,321
35	Machinery, except electrical	18,761	17,496	17,583	16,855	+7.2	-0.5	+11.3	16,871	19,547	17,810	15,046	121,959	117,038
351	Engines and turbines	1,347	1,152	1,398	853	+16.9	-17.6	+57.9	1,318	1,218	1,470	860	8,467	8,077
353	Construction, mining, and material handling equipment	2,353	2,097	2,023	1,936	+12.2	+3.7	+21.5	2,509	2,198	2,121	2,063	14,869	15,401
354	Metalworking machinery	716	692	707	646	+3.5	-2.1	+10.8	729	781	701	677	5,127	4,952
357	Office and computing machines	5,135	4,623	4,846	5,073	+11.1	-4.6	+1.2	4,009	5,746	4,686	3,905	30,883	29,189
36	Electrical machinery	19,173	19,672	18,353	17,534	-2.5	+7.2	+9.3	16,917	20,712	17,565	15,455	125,530	117,999
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,244	2,244	2,169	2,196	0.0	+3.5	+2.2	1,959	2,382	2,136	1,922	15,265	14,300
363	Household appliances	1,533	1,546	1,526	1,492	-0.8	+1.3	+2.7	1,512	1,780	1,532	1,477	10,812	9,623
365	Radio and TV	877	1,069	1,273	1,014	-18.0	-16.0	-13.5	782	1,176	1,151	896	6,801	6,648
366	Communication equipment	6,637	7,080	5,658	6,372	-6.3	+25.1	+4.2	5,301	7,298	5,116	5,112	40,645	42,019
367	Electronic components	4,470	4,251	4,311	3,409	+5.2	-1.4	+31.1	4,304	4,402	4,400	3,302	29,151	25,569
364,9	Other electrical machinery	3,412	3,482	3,416	3,051	-2.0	+1.9	+11.8	3,059	3,674	3,230	2,746	22,856	19,840
37	Transportation equipment	27,641	28,794	29,571	26,724	-4.0	-2.6	+3.4	23,601	28,576	28,901	22,145	196,995	184,665
372,6	Aircraft, missiles, and parts	11,724	9,636	10,277	8,418	+21.7	-6.2	+39.3	10,663	8,195	8,918	7,111	62,580	56,332
3731,95	Shipbuilding and military tank vehicles	511	1,819	1,737	1,320	-71.9	+4.7	-61.3	578	1,644	1,488	1,410	7,469	6,859
38	Instruments and related products	5,567	5,551	5,189	5,114	+0.3	+7.0	+8.9	5,184	5,996	5,161	4,759	36,646	34,591
381-4	Scientific and engineering instruments	3,767	3,677	3,409	3,311	+2.4	+7.9	+13.8	3,469	3,947	3,384	3,045	24,438	23,187
24,25, 39	All other durable goods	11,546	11,176	10,765	9,892	+3.3	+3.8	+16.7	11,003	12,089	11,304	9,423	78,039	70,032
	Nondurable goods industries	96,438	96,273	94,405	86,655	+0.2	+2.0	+11.3	91,971	99,742	93,962	82,571	653,280	618,568
	With unfilled orders	25,254	24,771	24,089	21,964	+1.9	+2.8	+15.0	23,651	25,601	23,794	20,494	169,400	151,874
	Market categories:													
	Home goods and apparel	13,713	13,668	13,472	12,524	+0.3	+1.5	+9.5	12,908	14,296	12,844	11,779	92,971	87,054
	Consumer staples	39,570	40,147	39,434	36,663	-1.4	+1.8	+7.9	37,760	41,628	38,943	35,019	269,296	252,178
	Equipment and defense products, except automotive	35,817	34,653	35,175	31,819	+3.4	-1.5	+12.6	31,480	35,460	33,203	27,471	223,430	213,544
	Automotive equipment	16,471	18,384	18,577	18,069	-10.4	-1.0	-8.8	13,431	19,895	19,558	14,714	134,369	128,952
	Construction materials, supplies and intermediate products	16,248	15,790	15,607	14,931	+2.9	+1.2	+8.8	16,215	17,296	16,372	14,842	111,546	104,078
	Other materials, supplies, and intermediate products	83,124	82,812	79,132	72,328	+0.4	+4.7	+14.9	78,010	85,523	79,243	67,674	559,484	529,900
	Supplementary series:[2]													
	Capital goods industries	41,387	40,564	39,472	36,466	+2.0	+2.8	+13.5	36,906	41,472	37,094	31,903	259,078	244,081
	Nondefense	31,524	29,987	30,031	26,404	+5.1	-0.1	+19.4	28,764	32,845	29,664	23,749	198,906	180,906
	Defense	9,863	10,577	9,441	10,062	-6.8	+12.0	-2.0	8,142	8,627	7,430	8,154	60,172	63,175
	Household durable goods industries	6,321	6,396	6,353	5,820	-1.2	+0.7	+8.6	5,697	6,900	6,252	5,248	43,747	40,456

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		July 1987P	June 1987r	May 1987	July 1986r	June-JulyP	May-Junr	July-87/86	July 1987P	June 1987r	May 1987	July 1986
	All manufacturing industries	390,909	385,217	380,354	373,845	+1.5	+1.3	+4.6	389,907	385,183	383,901	372,886
	Durable goods industries	377,485	372,215	367,510	363,243	+1.4	+1.3	+3.9	376,277	372,099	370,981	362,133
32	Stone, clay, and glass products	2,503	2,461	2,494	2,617	+1.7	-1.3	-4.4	2,547	2,514	2,582	2,663
33	Primary metals	20,042	19,646	18,688	15,630	+2.0	+5.1	+28.2	19,452	19,350	19,177	15,229
331	Blast furnaces, steel mills	11,262	10,944	10,282	7,721	+2.9	+6.4	+45.9	10,676	10,540	10,593	7,322
332	Iron and steel foundries	2,728	2,704	2,727	2,606	+0.9	-0.8	+4.7	2,736	2,699	2,729	2,624
333-9	Nonferrous and other primary metals	6,052	5,998	5,679	5,303	+0.9	+5.6	+14.1	6,040	6,111	5,855	5,283
34	Fabricated metal products	18,897	18,816	18,415	19,143	+0.4	+2.2	-1.3	19,099	18,982	18,630	19,354
35	Machinery, except electrical	56,875	56,185	56,017	57,419	+1.2	+0.3	-0.9	57,029	56,581	56,586	57,579
351	Engines and turbines	14,756	14,644	14,693	16,051	+0.8	-0.3	-8.1	14,671	14,472	14,552	15,969
353	Construction, mining, and material handling equipment	4,464	4,323	4,354	4,460	+3.3	-0.7	+0.1	4,473	4,284	4,410	4,466
354	Metalworking machinery	2,997	3,027	3,098	3,382	-1.0	-2.3	-11.4	3,090	3,003	3,061	3,482
357	Office and computing machines	19,205	18,985	18,980	19,216	+1.2	0.0	-0.1	19,512	19,646	19,540	19,528
36	Electrical machinery	93,284	92,801	91,656	93,892	+0.5	+1.2	-0.6	93,393	93,093	92,486	93,964
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,315	5,335	5,359	5,450	-0.4	-0.4	-2.5	5,331	5,336	5,402	5,467
363	Household appliances	211	194	225	331	+8.8	-13.8	-36.3	233	207	242	365
365	Radio and TV	261	271	325	357	-3.7	-16.6	-26.9	261	271	325	357
366	Communication equipment	69,397	68,998	67,991	69,872	+0.6	+1.5	-0.7	68,933	69,012	68,370	69,374
367	Electronic components	16,381	16,265	16,031	16,049	+0.7	+1.5	+2.1	16,889	16,530	16,418	16,537
364,9	Other electrical machinery	1,719	1,738	1,725	1,833	-1.1	+0.8	-6.2	1,746	1,737	1,729	1,864
37	Transportation equipment	171,253	167,728	165,919	161,098	+2.1	+1.1	+6.3	169,767	166,851	167,062	159,590
372,6	Aircraft, missiles, and parts	145,618	141,890	141,099	136,331	+2.6	+0.6	+6.8	144,189	141,195	142,225	134,898
3731,95	Shipbuilding and military tank vehicles	19,239	19,463	18,516	18,696	-1.2	+5.1	+2.9	19,295	19,452	18,680	18,726
38	Instruments and related products	8,876	8,735	8,468	8,372	+1.6	+3.2	+6.0	8,904	8,748	8,476	8,394
381-4	Scientific and engineering instruments	7,795	7,709	7,529	7,366	+1.1	+2.4	+5.8	7,795	7,709	7,529	7,366
24,25, 39	All other durable goods	5,755	5,843	5,853	5,072	-1.5	-0.2	+13.5	6,086	5,980	5,982	5,360
	Nondurable goods industries	13,424	13,002	12,844	10,602	+3.2	+1.2	+26.6	13,630	13,084	12,920	10,753
	Market categories:											
	Home goods and apparel	4,598	4,567	4,645	4,112	+0.7	-1.7	+11.8	4,810	4,613	4,777	4,286
	Consumer staples	684	699	703	806	-2.1	-0.6	-15.1	657	629	673	772
	Equipment and defense products, except automotive	247,314	244,022	241,369	240,062	+1.3	+1.1	+3.0	245,956	244,062	243,825	238,631
	Automotive equipment	5,963	6,014	6,009	5,705	-0.8	+0.1	+4.5	5,850	5,843	5,862	5,600
	Construction materials, supplies and intermediate products	10,090	9,958	9,913	10,505	+1.3	+0.5	-4.0	10,294	10,149	10,171	10,715
	Other materials, supplies, and intermediate products	122,260	119,957	117,715	112,655	+1.9	+1.9	+8.5	122,340	119,887	118,593	112,882
	Supplementary series:[2]											
	Capital goods industries	301,064	296,624	293,349	292,155	+1.5	+1.1	+3.0	299,424	296,324	295,585	290,464
	Nondefense	138,740	135,296	133,161	126,954	+2.5	+1.6	+9.3	138,937	135,688	133,728	127,164
	Defense	162,324	161,328	160,188	165,201	+0.6	+0.7	-1.7	160,487	160,636	161,857	163,300
	Household durable goods industries	3,788	3,832	3,881	3,552	-1.1	-1.3	+6.6	3,932	3,837	3,939	3,676

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		July 1987[p]	June 1987[r]	May 1987	July 1986[r]	June-July[p]	May-June[r]	July-87/86	July 1987[p]	June 1987[r]	May 1987	July 1986
	All manufacturing industries	322,995	321,621	321,848	320,888	+0.4	-0.1	+0.7	323,858	322,472	324,696	321,663
	Manufacturing industries with unfilled orders	218,861	217,880	218,367	219,461	+0.5	-0.2	-0.3	220,983	219,855	221,106	221,494
	Durable goods industries	209,767	208,654	209,096	210,462	+0.5	-0.2	-0.3	210,834	209,890	211,505	211,478
	With unfilled orders	192,330	191,388	191,763	193,962	+0.5	-0.2	-0.8	193,934	192,937	194,113	195,490
32	Stone, clay, and glass products	6,982	6,973	7,015	6,990	+0.1	-0.6	-0.1	7,060	7,114	7,228	7,068
33	Primary metals	16,253	16,228	16,312	18,073	+0.2	-0.5	-10.1	16,495	16,410	16,523	18,348
331	Blast furnaces, steel mills	7,255	7,270	7,287	8,595	-0.2	-0.2	-15.6	7,451	7,360	7,334	8,825
332	Iron and steel foundries	1,213	1,198	1,186	1,175	+1.3	+1.0	+3.2	1,197	1,211	1,229	1,158
333-9	Nonferrous and other primary metals	7,785	7,760	7,839	8,303	+0.3	-1.0	-6.2	7,847	7,839	7,960	8,365
34	Fabricated metal products	21,362	21,223	21,343	21,636	+0.7	-0.6	-1.3	21,467	21,652	21,662	21,738
35	Machinery, except electrical	40,878	40,902	41,092	42,818	-0.1	-0.5	-4.5	41,023	40,958	41,591	42,957
351	Engines and turbines	2,840	2,824	2,796	2,809	+0.6	+1.0	+1.1	2,882	2,852	2,850	2,849
353	Construction, mining, and material handling equipment	6,471	6,507	6,555	7,138	-0.6	-0.7	-9.3	6,387	6,473	6,613	7,045
354	Metalworking machinery	2,960	2,924	2,929	2,875	+1.2	-0.2	+3.0	2,996	2,941	2,983	2,909
357	Office and computing machines	9,644	9,683	9,777	10,723	-0.4	-1.0	-10.1	9,789	9,678	9,968	10,886
36	Electrical machinery	39,299	39,220	39,277	39,374	+0.2	-0.1	-0.2	39,700	39,763	39,880	39,771
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,841	4,864	4,947	5,031	-0.5	-1.7	-3.8	4,873	4,912	5,021	5,064
363	Household appliances	2,645	2,678	2,746	2,745	-1.2	-2.5	-3.6	2,695	2,824	2,959	2,795
365	Radio and TV	1,694	1,677	1,726	1,619	+1.0	-2.8	+4.6	1,807	1,763	1,782	1,726
366	Communication equipment	16,483	16,433	16,344	16,506	+0.3	+0.5	-0.1	16,574	16,453	16,406	16,597
367	Electronic components	7,908	7,842	7,759	7,639	+0.8	+1.1	+3.5	7,971	7,939	7,827	7,704
364,9	Other electrical machinery	5,728	5,726	5,755	5,834	0.0	-0.5	-1.8	5,780	5,872	5,885	5,885
37	Transportation equipment	54,968	54,199	54,084	52,924	+1.4	+0.2	+3.9	54,871	53,965	54,306	52,768
371	Motor vehicles and parts	11,128	11,155	11,188	11,155	-0.2	-0.3	-0.2	10,647	10,708	11,046	10,681
372,6	Aircraft, missiles, and parts	39,860	39,174	39,035	38,163	+1.8	+0.4	+4.4	40,345	39,442	39,417	38,577
3731,95	Shipbuilding and military tank vehicles	2,164	2,081	2,097	1,844	+4.0	-0.8	+17.4	2,167	2,082	2,106	1,849
38	Instruments and related products	12,519	12,461	12,544	12,516	+0.5	-0.7	0.0	12,665	12,658	12,786	12,659
381-4	Scientific and engineering instruments	8,950	8,927	9,005	9,060	+0.3	-0.9	-1.2	9,013	9,022	9,131	9,126
386	Photographic goods	2,899	2,883	2,895	2,878	+0.6	-0.4	+0.7	2,960	2,957	2,990	2,936
24,25, 39	All other durable goods	17,506	17,448	17,429	16,131	+0.3	+0.1	+8.5	17,553	17,370	17,529	16,169
	Nondurable goods industries	113,228	112,967	112,752	110,426	+0.2	+0.2	+2.5	113,024	112,582	113,191	110,185
	With unfilled orders	26,531	26,492	26,604	25,499	+0.1	-0.4	+4.0	27,049	26,918	26,993	26,004
20	Food and kindred products	24,174	24,639	24,211	24,084	-1.9	+1.8	+0.4	23,329	23,367	23,418	23,237
202	Dairy products	2,259	2,221	2,190	1,815	+1.7	+1.4	+24.5	2,304	2,258	2,257	1,852
208	Beverages	4,350	4,521	4,534	4,794	-3.8	-0.3	-9.3	4,311	4,552	4,623	4,747
203-6,9	All other foods	14,321	14,521	14,135	14,323	-1.4	+2.7	0.0	13,648	13,283	13,215	13,653
21	Tobacco products	5,950	5,928	5,803	5,549	+0.4	+2.2	+7.2	5,426	5,533	5,707	5,064
22	Textile mill products	6,764	6,751	6,810	6,869	+0.2	-0.9	-1.5	6,854	6,896	6,986	6,961
221-4,6, 8,9	Broadwoven fabrics	3,762	3,738	3,777	3,987	+0.6	-1.0	-5.6	3,803	3,784	3,837	4,030
26	Paper and allied products	10,877	10,906	10,909	10,336	-0.3	0.0	+5.2	10,885	11,052	11,107	10,347
261-3,6	Pulp, paper etc.	4,142	4,175	4,201	3,966	-0.8	-0.6	+4.4	4,146	4,210	4,250	3,969
265	Paperboard containers	2,709	2,732	2,773	2,471	-0.8	-1.5	+9.6	2,706	2,758	2,799	2,471
264	All other paper products	4,026	3,999	3,935	3,899	+0.7	+1.6	+3.3	4,033	4,084	4,058	3,907
28	Chemicals and allied products	26,849	26,465	26,783	26,108	+1.5	-1.2	+2.8	26,984	26,499	26,886	26,207
281,6	Industrial chemicals, except pigments	8,006	7,732	7,991	7,891	+3.5	-3.2	+1.5	8,006	7,732	7,991	7,891
283,4	Drugs, soaps, and toiletries	8,720	8,851	8,712	8,418	-1.5	+1.6	+3.6	8,851	9,004	8,914	8,536
282,9	Other chemical products	6,397	6,314	6,432	5,944	+1.3	-1.8	+7.6	6,512	6,331	6,448	6,053
29	Petroleum and coal products	10,383	10,348	10,227	10,528	+0.3	+1.2	-1.4	10,355	10,307	10,248	10,501
30	Rubber and plastics products	8,801	8,647	8,677	8,461	+1.8	-0.3	+4.0	8,879	8,811	8,938	8,530
23,27, 31	All other nondurable goods	19,430	19,283	19,332	18,491	+0.8	-0.3	+5.1	20,312	20,117	19,901	19,338
	Market categories:											
	Home goods and apparel	25,796	25,613	25,783	24,635	+0.7	-0.7	+4.7	26,676	26,749	26,779	25,470
	Consumer staples	42,115	42,592	41,988	41,281	-1.1	+1.4	+2.0	41,173	41,208	41,371	40,347
	Equipment and defense products, except automotive	92,616	92,225	92,316	94,054	+0.4	-0.1	-1.5	92,995	92,409	93,275	94,428
	Automotive equipment	13,540	13,544	13,591	13,706	0.0	-0.3	-1.2	12,955	13,079	13,495	13,130
	Construction materials, supplies and intermediate products	23,368	23,180	23,186	22,340	+0.8	0.0	+4.6	23,405	23,435	23,518	22,388
	Other materials, supplies, and intermediate products	125,560	124,467	124,984	124,872	+0.9	-0.4	+0.6	126,654	125,592	126,258	125,900
	Supplementary series:[2]											
	Capital goods industries	107,515	106,751	106,804	107,620	+0.7	0.0	-0.1	108,399	107,411	108,021	108,439
	Nondefense	72,016	71,902	71,938	74,002	+0.2	-0.1	-2.7	72,308	72,121	72,739	74,299
	Defense	35,499	34,849	34,866	33,618	+1.9	0.0	+5.6	36,091	35,290	35,282	34,140
	Household durable goods industries	13,227	13,164	13,295	12,603	+0.5	-1.0	+5.0	13,545	13,528	13,694	12,935

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		July 1987[p]	June 1987[r]	May 1987	July 1986[r]	June-July[p]	May-June[r]	July-87/86	July 1987[p]	June 1987[r]	May 1987	July 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	103,407	103,943	103,768	102,428	-0.5	+0.2	+1.0	103,406	103,594	103,482	102,537
	Durable goods industries	59,120	59,759	59,723	59,835	-1.1	+0.1	-1.2	59,461	59,608	59,469	60,281
32	Stone, clay, and glass products	2,215	2,213	2,238	2,274	+0.1	-1.1	-2.6	2,220	2,211	2,236	2,286
33	Primary metals	5,075	5,112	5,127	5,867	-0.7	-0.3	-13.5	5,099	5,062	4,993	5,899
34	Fabricated metal products	7,224	7,311	7,314	7,763	-1.2	0.0	-6.9	7,332	7,351	7,295	7,868
35	Machinery, except electrical	11,697	11,775	11,625	11,470	-0.7	+1.3	+2.0	11,756	11,734	11,646	11,632
36	Electrical machinery	10,497	10,520	10,534	10,515	-0.2	-0.1	-0.2	10,671	10,577	10,564	10,694
37	Transportation equipment	11,680	11,969	12,086	11,848	-2.4	-1.0	-1.4	11,683	11,997	12,144	11,820
38	Instruments and related products	4,198	4,174	4,204	4,034	+0.6	-0.7	+4.1	4,218	4,190	4,215	4,065
24,25, 39	All other durable goods	6,534	6,685	6,595	6,064	-2.3	+1.4	+7.8	6,482	6,486	6,376	6,017
	Nondurable goods industries	44,287	44,184	44,045	42,593	+0.2	+0.3	+4.0	43,945	43,986	44,013	42,256
20	Food and kindred products	9,088	9,158	9,151	8,797	-0.8	+0.1	+3.3	8,761	8,939	9,035	8,478
21	Tobacco products	4,966	4,996	4,884	4,585	-0.6	+2.3	+8.3	4,507	4,674	4,791	4,164
22	Textile mill products	1,810	1,817	1,857	1,866	-0.4	-2.2	-3.0	1,858	1,869	1,921	1,918
26	Paper and allied products	5,691	5,689	5,632	5,269	0.0	+1.0	+8.0	5,688	5,722	5,645	5,265
28	Chemicals and allied products	9,039	8,886	8,973	8,994	+1.7	-1.0	+0.5	9,153	8,907	8,981	9,096
29	Petroleum and coal products	3,067	3,071	3,017	3,107	-0.1	+1.8	-1.3	3,059	3,095	3,059	3,089
30	Rubber and plastics products	3,402	3,292	3,300	3,065	+3.3	-0.2	+11.0	3,431	3,381	3,348	3,090
23,27, 31	All other nondurable goods	7,224	7,275	7,231	6,910	-0.7	+0.6	+4.5	7,488	7,399	7,233	7,156
	WORK IN PROCESS											
	All manufacturing industries	114,701	114,194	113,797	114,407	+0.4	+0.3	+0.3	114,950	114,367	114,728	114,543
	Durable goods industries	96,835	96,060	95,768	97,137	+0.8	+0.3	-0.3	97,010	96,180	96,543	97,225
32	Stone, clay, and glass products	1,023	1,002	986	1,037	+2.1	+1.6	-1.4	1,032	1,013	996	1,043
33	Primary metals	6,403	6,432	6,452	6,687	-0.5	-0.3	-4.2	6,536	6,499	6,561	6,834
34	Fabricated metal products	7,269	7,408	7,515	7,412	-1.9	-1.4	-1.9	7,370	7,560	7,654	7,511
35	Machinery, except electrical	16,745	16,967	16,805	18,151	-1.3	+1.0	-7.7	16,644	16,925	16,904	17,975
36	Electrical machinery	20,118	20,127	20,088	20,164	0.0	+0.2	-0.2	20,192	20,257	20,247	20,228
37	Transportation equipment	36,980	35,915	35,610	35,243	+3.0	+0.9	+4.9	36,878	35,638	35,744	35,128
38	Instruments and related products	4,728	4,726	4,765	4,962	0.0	-0.8	-4.7	4,775	4,829	4,887	5,005
24,25, 39	All other durable goods	3,569	3,483	3,547	3,481	+2.5	-1.8	+2.5	3,583	3,459	3,550	3,501
	Nondurable goods industries	17,866	18,134	18,029	17,270	-1.5	+0.6	+3.5	17,940	18,187	18,185	17,318
20	Food and kindred products	2,434	2,520	2,434	2,543	-3.4	+3.5	-4.3	2,383	2,450	2,398	2,487
21	Tobacco products	110	110	125	107	0.0	-12.0	+2.8	110	109	125	107
22	Textile mill products	2,092	2,095	2,076	2,078	-0.1	+0.9	+0.7	2,075	2,079	2,100	2,059
26	Paper and allied products	1,230	1,251	1,269	1,212	-1.7	-1.4	+1.5	1,231	1,265	1,276	1,214
28	Chemicals and allied products	4,001	4,042	4,057	3,967	-1.0	-0.4	+0.9	4,068	4,132	4,097	4,026
29	Petroleum and coal products	2,195	2,248	2,228	2,127	-2.4	+0.9	+3.2	2,189	2,266	2,259	2,115
30	Rubber and plastics products	1,323	1,335	1,317	1,338	-0.9	+1.4	-1.1	1,326	1,330	1,310	1,347
23,27, 31	All other nondurable goods	4,481	4,533	4,523	3,898	-1.1	+0.2	+15.0	4,558	4,556	4,620	3,963
	FINISHED GOODS											
	All manufacturing industries	104,887	103,484	104,283	104,053	+1.4	-0.8	+0.8	105,502	104,511	106,486	104,583
	Durable goods industries	53,812	52,835	53,605	53,490	+1.8	-1.4	+0.6	54,363	54,102	55,493	53,972
32	Stone, clay, and glass products	3,744	3,758	3,791	3,679	-0.4	-0.9	+1.8	3,808	3,890	3,996	3,739
33	Primary metals	4,775	4,684	4,733	5,519	+1.9	-1.0	-13.5	4,860	4,849	4,969	5,615
34	Fabricated metal products	6,869	6,504	6,514	6,461	+5.6	-0.2	+6.3	6,765	6,741	6,713	6,359
35	Machinery, except electrical	12,436	12,160	12,662	13,197	+2.3	-4.0	-5.8	12,623	12,299	13,041	13,350
36	Electrical machinery	8,684	8,573	8,655	8,695	+1.3	-0.9	-0.1	8,837	8,929	9,069	8,849
37	Transportation equipment	6,308	6,315	6,388	5,833	-0.1	-1.1	+8.1	6,310	6,330	6,418	5,820
38	Instruments and related products	3,593	3,561	3,575	3,520	+0.9	-0.4	+2.1	3,672	3,639	3,684	3,589
24,25, 39	All other durable goods	7,403	7,280	7,287	6,586	+1.7	-0.1	+12.4	7,488	7,425	7,603	6,651
	Nondurable goods industries	51,075	50,649	50,678	50,563	+0.8	-0.1	+1.0	51,139	50,409	50,993	50,611
20	Food and kindred products	12,652	12,961	12,626	12,744	-2.4	+2.7	-0.7	12,185	11,978	11,985	12,272
21	Tobacco products	874	822	794	857	+6.3	+3.5	+2.0	809	750	791	793
22	Textile mill products	2,862	2,839	2,877	2,925	+0.8	-1.3	-2.2	2,921	2,948	2,965	2,984
26	Paper and allied products	3,956	3,966	4,008	3,855	-0.3	-1.0	+2.6	3,966	4,065	4,186	3,868
28	Chemicals and allied products	13,809	13,537	13,753	13,147	+2.0	-1.6	+5.0	13,763	13,460	13,808	13,085
29	Petroleum and coal products	5,121	5,029	4,982	5,294	+1.8	+0.9	-3.3	5,107	4,946	4,930	5,297
30	Rubber and plastics products	4,076	4,020	4,060	4,058	+1.4	-1.0	+0.4	4,122	4,100	4,280	4,093
23,27, 31	All other nondurable goods	7,725	7,475	7,578	7,683	+3.3	-1.4	+0.5	8,266	8,162	8,048	8,219

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		July 1987[p]	June 1987[r]	May 1987	July 1986[r]	July 1987[p]	June 1987[r]	May 1987	July 1986[r]
	All manufacturing industries	1.62	1.60	1.63	1.72	3.59	3.53	3.56	3.63
	Durable goods industries	2.03	2.00	2.04	2.11	4.49	4.41	4.44	4.49
32	Stone, clay, and glass products	1.41	1.41	1.41	1.50	0.55	0.55	0.55	0.62
33	Primary metals	1.75	1.80	1.89	2.20	2.16	2.18	2.16	1.90
34	Fabricated metal products	1.93	1.89	1.93	1.91	1.90	1.86	1.85	1.86
35	Machinery, except electrical	2.26	2.36	2.40	2.51	3.38	3.45	3.47	3.55
36	Electrical machinery	2.10	2.12	2.14	2.30	4.99	5.01	5.00	5.48
37	Transportation equipment	2.28	2.01	2.05	2.01	12.40	10.87	11.20	10.75
38	Instruments and related products	2.31	2.36	2.40	2.47	1.64	1.65	1.62	1.65
	Nondurable goods industries	1.18	1.18	1.19	1.27	0.54	0.53	0.53	0.48
20	Food and kindred products	0.85	0.88	0.88	0.92	(X)	(X)	(X)	(X)
21	Tobacco products	5.20	2.88	3.47	4.76	(X)	(X)	(X)	(X)
22	Textile mill products	1.41	1.42	1.49	1.49	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.07	1.11	1.14	1.20	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.49	1.49	1.50	1.62	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.91	0.93	0.95	1.09	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.42	1.31	1.33	1.48	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1986	All Julys 1982-1986	July 1986-June 1987	Year ago July 1986	All Julys 1982-1986	July 1986-June 1987	Year ago July 1986	All Julys 1982-1986	July 1986-June 1987	Year ago July 1986	All Julys 1982-1986	July 1986-June 1987
	All manufacturing industries	0.6	0.4	0.3	0.8	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.5	0.4	0.3	0.7	0.8	0.5	0.0	0.1	0.1	0.1	0.1	0.2
32	Stone, clay, and glass products	0.5	0.9	1.1	0.5	1.2	1.2	0.0	0.7	0.9	0.2	0.5	0.5
33	Primary metals	0.2	0.7	0.5	0.1	0.9	0.4	0.2	0.5	0.3	0.0	0.2	0.3
34	Fabricated metal products	2.9	1.1	0.8	2.4	1.4	1.0	0.3	0.3	0.5	0.0	0.2	0.2
35	Machinery, except electrical	0.1	0.8	0.7	0.1	1.8	1.2	0.0	0.4	0.2	0.2	0.1	0.2
36	Electrical machinery	0.4	0.5	0.2	0.1	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.2
37	Transportation equipment	0.4	0.4	0.2	1.4	0.5	0.5	0.1	0.0	0.1	0.0	0.1	0.1
38	Instruments and related products	1.5	0.9	1.4	3.0	2.6	1.5	0.8	1.1	0.4	0.0	0.2	0.2
	Nondurable goods industries	0.8	0.5	0.3	0.8	0.5	0.3	1.0	0.6	0.5	0.1	0.1	0.2
20	Food and kindred products	0.1	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5	0.3
21	Tobacco products	0.0	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.3
22	Textile mill products	2.5	1.8	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.4	0.7
26	Paper and allied products	0.7	0.8	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.5	0.4
28	Chemicals and allied product	1.5	1.3	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2	0.3
29	Petroleum and coal products	0.9	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.6	0.5
30	Rubber and plastics products	2.8	1.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.8	0.4
	Capital goods industries:												
	Nondefense	0.2	0.6	0.5	0.1	1.1	0.6	0.0	0.1	0.1	0.1	0.1	0.2
	Defense	1.7	1.0	0.4	4.7	2.0	2.0	0.1	0.1	0.1	0.0	0.4	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

August 1987
M3-1(87)-8
For Wire Transmission 10:00 a.m. E.D.T. Thursday, October 1, 1987

(All Figures in text are in seasonally adjusted current dollars)

C
3.158:
M 3-1 (87)-8

SUMMARY. New orders for manufactured goods in August decreased $3.5 billion or 1.7 percent to $202.5 billion. This is the first decline since the 5.3 percent decrease in January. July orders were revised to $206.1 billion, up 0.3 percent from June.

Shipments of manufactured goods in August were up $0.6 billion or 0.3 percent from July to $200.0 billion. Shipments first reached the $200 billion level in June and declined 0.6 percent in July.

Unfilled orders for manufactured goods in August increased $2.6 billion or 0.7 percent to $394.5 billion. The orders backlog has had consecutive monthly increases since February, averaging 1.1 percent per month.

Inventories held by manufacturers at the end of August were up $1.8 billion or 0.5 percent to $325.1 billion, following a 0.5 percent increase in July. The inventory to shipments ratio in August was 1.63 up from 1.62 in July.

NEW ORDERS. The decrease in August new orders was reflected in both the durable and nondurable goods sectors. Durable goods declined $2.9 billion or 2.7 percent to $106.3 billion. The largest decline was in transportation equipment, down $1.1 billion or 3.9 percent to $26.9 billion; a decrease in aircraft and parts more than offset an increase in motor vehicles and parts . Most of the other major industries also declined, the largest of which were nonelectrical machinery, down $0.5 billion or 2.8 percent, instruments and related products, down $0.4 billion or 6.8 percent, and primary metals, down $0.3 billion or 2.9 percent.

New orders for nondurable goods declined $0.6 billion or 0.6 percent to $96.3 billion, with the largest declines in foods, textiles, and paper products.

SHIPMENTS. Shipments of durable goods in August increased $0.9 billion or 0.8 percent to $103.9 billion, more than offsetting the decline in nondurables of $0.3 billion or 0.3 percent to $96.1 billion. The largest increase in durable goods shipments was in transportation equipment, where motor vehicles and parts were up $1.2 billion or 8.2 percent, following the July decline of 11.1 percent.

The largest decline in nondurable goods shipments was in paper and allied products, down $0.4 billion or 4.0 percent.

UNFILLED ORDERS. Unfilled orders for durable goods in August increased $2.4 billion or 0.6 percent to $380.8 billion, the sixth consecutive monthly increase. Most of the August increase was in transportation equipment, up $1.7 billion or 1.0 percent to $173.3 billion. The aircraft and parts industry accounted for most of the gain. Small increases in order backlogs were reported in most of the other major industries. Primary metals were up 0.9 percent and nonelectrical machinery 0.4 percent.

INVENTORIES. Inventories increased in both the durable and nondurable goods sectors. Durable goods inventories increased $0.9 billion or 0.4 percent to $210.8 billion, about half of which was in transportation equipment. Nondurable goods inventories increased $0.9 billion or 0.8 percent to $114.3 billion with petroleum and plastics products accounting for most of the increase.

By stage of fabrication, materials and supply inventories increased 0.6 percent, work in process 0.6 percent, and finished goods 0.5 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for September is scheduled for October 27, 1987, at 8:30 a.m. and the full report on November 2, 1987 at 10:00 a.m.

NOV 1 1987
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1987[P]	July 1987[F]	June 1987	Aug. 1986[F]	July-Aug.[P]	June-July[F]	Aug.-87/86	Aug. 1987[P]	July 1987[F]	June 1987	Aug. 1986	1987[P]	1986
	All manufacturing industries	199,962	199,395	200,591	187,249	+0.3	-0.6	+6.8	197,498	185,228	212,816	184,880	1,569,245	1,497,627
	Manufacturing industries with unfilled orders	109,433	109,027	109,062	103,045	+0.4	0.0	+6.2	107,605	100,065	116,643	101,290	851,447	814,635
	Durable goods industries	103,882	103,032	104,476	98,185	+0.8	-1.4	+5.8	100,628	93,412	113,238	95,026	821,460	789,705
	With unfilled orders	84,757	83,920	84,449	80,039	+1.0	-0.6	+5.9	82,539	76,683	91,206	77,952	659,460	639,923
32	Stone, clay, and glass products	4,792	4,934	4,946	4,629	-2.9	-0.2	+3.5	5,014	4,909	5,380	4,852	39,944	37,753
33	Primary metals	9,258	9,336	9,018	7,998	-0.8	+3.5	+15.8	9,240	8,684	9,623	7,983	70,884	69,535
331	Blast furnaces, steel mills	4,096	4,077	3,879	3,237	+0.5	+5.1	+26.5	4,055	3,789	4,198	3,199	30,403	29,735
332	Iron and steel foundries	812	767	763	782	+5.9	+0.5	+3.8	831	689	834	800	6,404	6,954
333-9	Nonferrous and other primary metals	4,350	4,492	4,376	3,979	-3.2	+2.7	+9.3	4,354	4,206	4,591	3,984	34,077	32,846
34	Fabricated metal products	10,976	11,013	11,202	11,207	-0.3	-1.7	-2.1	11,078	10,392	11,976	11,272	89,887	90,941
35	Machinery, except electrical	18,095	18,095	17,328	16,672	0.0	+4.4	+8.5	16,668	16,400	19,552	15,356	136,133	135,576
351	Engines and turbines	1,337	1,251	1,201	1,140	+6.9	+4.2	+17.3	1,212	1,119	1,298	1,031	9,513	9,530
353	Construction, mining, and material handling equipment	2,304	2,219	2,128	2,034	+3.8	+4.3	+13.3	2,078	2,314	2,324	1,830	16,803	18,428
354	Metalworking machinery	687	712	763	714	-3.5	-6.7	-3.8	600	613	839	629	5,663	5,687
357	Office and computing machines	4,899	4,892	4,618	4,708	+0.1	+5.9	+4.1	4,448	4,120	5,640	4,283	34,429	34,485
36	Electrical machinery	19,185	18,801	18,527	17,413	+2.0	+1.5	+10.2	18,807	16,686	20,105	17,048	143,583	131,466
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,261	2,299	2,268	2,124	-1.7	+1.4	+6.5	2,201	2,007	2,448	2,070	17,506	16,671
363	Household appliances	1,566	1,546	1,577	1,480	+1.3	-2.0	+5.8	1,615	1,525	1,815	1,531	12,496	11,13
365	Radio and TV	1,096	883	1,123	1,136	+24.1	-21.4	-3.5	1,076	785	1,230	1,112	7,972	7,834
366	Communication equipment	6,315	6,253	6,073	5,986	+1.0	+3.0	+5.5	6,109	5,362	6,656	5,774	47,089	44,206
367	Electronic components	4,377	4,393	4,017	3,650	-0.4	+9.4	+19.9	4,368	3,971	4,290	3,635	32,287	29,138
364,9	Other electrical machinery	3,570	3,427	3,469	3,037	+4.2	-1.2	+17.6	3,438	3,036	3,666	2,926	26,233	22,476
37	Transportation equipment	25,129	24,108	26,985	25,108	+4.2	-10.7	+0.1	22,934	20,674	28,787	22,965	211,940	205,269
371	Motor vehicles and parts	15,663	14,481	16,297	15,642	+8.2	-11.1	+0.1	13,721	11,408	17,700	13,748	133,549	129,579
372,6	Aircraft, missiles, and parts	7,699	8,005	8,845	7,777	-3.8	-9.5	-1.0	7,443	7,673	9,225	7,528	64,564	62,13
3731,95	Shipbuilding and military tank vehicles	814	736	872	915	+10.6	-15.6	-11.0	814	736	872	915	6,335	7,00
38	Instruments and related products	5,237	5,354	5,284	5,077	-2.2	+1.3	+3.2	5,145	4,976	5,724	4,984	41,010	39,65
381-4	Scientific and engineering instruments	3,522	3,606	3,497	3,424	-2.3	+3.1	+2.9	3,501	3,308	3,767	3,396	27,473	26,80
386	Photographic goods	1,552	1,585	1,624	1,484	-2.1	-2.4	+4.6	1,481	1,508	1,782	1,419	12,237	11,39
24,25, 39	All other durable goods	11,210	11,391	11,186	10,081	-1.6	+1.8	+11.2	11,742	10,691	12,091	10,566	88,079	79,51
	Nondurable goods industries	96,080	96,363	96,115	89,064	-0.3	+0.3	+7.9	96,870	91,816	99,578	89,854	747,785	707,92
	With unfilled orders	24,676	25,107	24,613	23,006	-1.7	+2.0	+7.3	25,066	23,382	25,437	23,338	191,987	174,71
20	Food and kindred products	28,028	28,382	27,880	26,596	-1.2	+1.8	+5.4	27,836	27,305	28,662	26,449	218,127	204,65
202	Dairy products	4,006	3,928	3,982	3,568	+2.0	-1.4	+12.3	4,022	3,965	4,151	3,583	31,459	27,90
208	Beverages	3,619	3,649	3,589	3,594	-0.8	+1.7	+0.7	3,909	3,932	4,029	3,882	29,257	29,73
203-6,9	All other foods	12,777	12,771	12,427	12,024	0.0	+2.8	+6.3	12,074	11,540	12,473	11,371	96,817	91,69
21	Tobacco products	1,486	1,144	2,060	1,416	+29.9	-44.5	+4.9	1,486	1,144	2,060	1,416	11,331	11,55
22	Textile mill products	4,851	4,862	4,754	4,639	-0.2	+2.3	+4.6	5,046	4,171	5,126	4,834	37,058	35,63
221-4,6, 8,9	Broadwoven fabrics	3,015	2,990	2,886	2,837	+0.8	+3.6	+6.3	3,045	2,443	3,144	2,866	22,541	22,06
26	Paper and allied products	9,865	10,275	9,786	8,977	-4.0	+5.0	+9.9	10,029	9,772	10,295	9,114	77,781	67,90
261-3,6	Pulp, paper etc.	4,265	4,543	4,114	3,810	-6.1	+10.4	+11.9	4,324	4,244	4,298	3,854	33,414	28,37
265	Paperboard containers	2,133	2,221	2,232	1,883	-4.0	-0.5	+13.3	2,182	2,117	2,325	1,926	16,805	14,89
264	All other paper products	3,467	3,511	3,440	3,284	-1.3	+2.1	+5.6	3,523	3,411	3,672	3,334	27,562	24,63
28	Chemicals and allied products	17,998	18,008	17,779	16,544	-0.1	+1.3	+8.8	17,689	16,577	18,892	16,236	141,489	132,62
281,6	Industrial chemicals, except pigments	5,273	5,367	5,265	4,816	-1.8	+1.9	+9.5	5,104	5,095	5,572	4,665	41,522	37,85
283,4	Drugs, soaps, and toiletries	6,004	6,054	5,965	5,799	-0.8	+1.5	+3.5	6,070	5,448	6,514	5,864	46,951	44,68
282,9	Other chemical products	4,525	4,387	4,333	3,806	+3.1	+1.2	+18.9	4,489	4,103	4,453	3,768	33,991	30,84
29	Petroleum and coal products	11,551	11,470	11,074	9,863	+0.7	+3.6	+17.1	11,698	11,598	11,218	10,058	85,270	90,54
30	Rubber and plastics products	6,269	6,142	6,591	5,915	+2.1	-6.8	+6.0	6,216	5,825	7,041	5,879	51,697	47,77
23,27, 31	All other nondurable goods	16,032	16,080	16,191	15,114	-0.3	-0.7	+6.1	16,870	15,424	16,284	15,868	125,032	117,22
	Market categories:													
	Home goods and apparel	13,564	13,518	13,746	12,790	+0.3	-1.7	+6.1	14,756	12,580	14,460	13,895	106,118	99,92
	Consumer staples	39,706	39,604	40,151	37,939	+0.3	-1.4	+4.7	39,474	37,781	41,672	37,745	308,925	289,91
	Equipment and defense products, except automotive	32,397	32,516	32,000	30,878	-0.4	+1.6	+4.9	30,973	29,517	35,223	29,522	246,365	241,10
	Automotive equipment	17,638	16,493	18,379	17,485	+6.9	-10.3	+0.9	15,745	13,408	19,914	15,642	149,752	144,72
	Construction materials, supplies and intermediate products	15,691	16,117	15,745	14,753	-2.6	+2.4	+6.4	16,448	16,084	17,318	15,514	127,802	119,33
	Other materials, supplies, and intermediate products	80,966	81,147	80,570	73,404	-0.2	+0.7	+10.3	80,102	75,858	84,229	72,562	630,283	602,61
	Supplementary series:[2]													
	Capital goods industries	37,330	37,012	37,289	35,053	+0.9	-0.7	+6.5	35,549	33,785	40,733	33,389	284,496	274,81
	Nondefense	28,540	28,106	27,852	26,457	+1.5	+0.9	+7.9	27,007	25,460	30,885	25,041	213,941	207,50
	Defense	8,790	8,906	9,437	8,596	-1.3	-5.6	+2.3	8,542	8,325	9,848	8,348	70,555	67,31
	Household durable goods industries	6,329	6,164	6,445	6,113	+2.7	-4.4	+3.5	6,560	5,441	7,002	6,336	49,174	45,90

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1987P	July 1987r	June 1987	Aug. 1986r	July-Aug.P	June-Julyr	Aug.-87/86	Aug. 1987P	July 1987r	June 1987	Aug. 1986	1987P	1986
	All manufacturing industries	202,532	206,065	205,454	185,208	-1.7	+0.3	+9.4	197,984	191,040	214,098	180,877	1,590,316	1,496,583
	Manufacturing industries with unfilled orders	112,003	115,697	113,925	101,004	-3.2	+1.6	+10.9	108,091	105,877	117,925	97,287	872,518	813,591
	Durable goods industries	106,270	109,213	109,181	96,303	-2.7	0.0	+10.3	101,029	98,600	114,356	91,249	839,612	788,387
	With unfilled orders	87,145	90,101	89,154	78,157	-3.3	+1.1	+11.5	82,940	81,871	92,324	74,175	677,612	638,605
32	Stone, clay, and glass products	4,930	4,979	4,913	4,638	-1.0	+1.3	+6.3	5,113	4,940	5,312	4,816	40,158	37,832
33	Primary metals	9,437	9,718	9,976	8,685	-2.9	-2.6	+8.7	9,414	8,846	9,796	8,662	73,843	69,138
331	Blast furnaces, steel mills	4,163	4,380	4,541	3,886	-5.0	-3.5	+7.1	4,221	3,978	4,145	3,921	32,447	29,658
332	Iron and steel foundries	824	796	740	809	+3.5	+7.6	+1.9	808	736	804	789	6,451	7,205
333-9	Nonferrous and other primary metals	4,450	4,542	4,695	3,990	-2.0	-3.3	+11.5	4,385	4,132	4,847	3,952	34,945	32,275
34	Fabricated metal products	10,999	11,261	11,603	10,922	-2.3	-2.9	+0.7	11,122	10,649	12,328	10,971	90,473	90,292
35	Machinery, except electrical	18,339	18,864	17,496	16,516	-2.8	+7.8	+11.0	17,053	16,911	19,547	15,296	139,052	132,334
351	Engines and turbines	1,369	1,364	1,152	849	+0.4	+18.4	+61.2	1,409	1,322	1,218	904	9,880	8,981
353	Construction, mining, and material handling equipment	2,309	2,418	2,097	2,058	-4.5	+15.3	+12.2	2,019	2,548	2,198	1,780	16,927	17,181
354	Metalworking machinery	675	698	692	652	-3.3	+0.9	+3.5	648	719	781	640	5,765	5,592
357	Office and computing machines	4,837	5,183	4,623	5,066	-6.7	+12.1	-4.5	4,290	4,057	5,746	4,500	35,221	33,689
36	Electrical machinery	19,275	19,421	19,672	16,935	-0.8	-1.3	+13.8	18,318	17,162	20,712	16,090	144,093	134,089
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,397	2,296	2,244	2,121	+4.4	+2.3	+13.0	2,331	2,016	2,382	2,058	17,653	16,358
363	Household appliances	1,581	1,562	1,546	1,490	+1.2	+1.0	+6.1	1,623	1,550	1,780	1,531	12,473	11,154
365	Radio and TV	1,234	903	1,069	1,208	+36.7	-15.5	+2.2	1,214	805	1,176	1,184	8,038	7,832
366	Communication equipment	5,789	6,644	7,080	5,588	-12.9	-6.2	+3.6	5,358	5,293	7,298	5,225	45,995	47,244
367	Electronic components	4,686	4,604	4,251	3,487	+1.8	+8.3	+34.4	4,331	4,448	4,402	3,158	33,626	28,727
364,9	Other electrical machinery	3,588	3,412	3,482	3,041	+5.2	-2.0	+18.0	3,461	3,050	3,674	2,934	26,308	22,774
37	Transportation equipment	26,877	27,970	28,794	23,606	-3.9	-2.9	+13.9	23,132	23,952	28,576	20,012	220,478	204,677
372,6	Aircraft, missiles, and parts	9,296	12,132	9,636	6,413	-23.4	+25.9	+45.0	8,147	11,028	8,195	5,244	71,092	61,576
0731,95	Shipbuilding and military tank vehicles	1,024	482	1,819	1,092	+112.4	-73.5	-6.2	387	579	1,644	538	7,857	7,397
38	Instruments and related products	5,205	5,584	5,551	4,950	-6.8	+0.6	+5.2	5,131	5,222	5,996	4,869	41,815	39,460
381-4	Scientific and engineering instruments	3,567	3,754	3,677	3,390	-5.0	+2.1	+5.2	3,546	3,456	3,947	3,362	27,971	26,549
24,25, 39	All other durable goods	11,208	11,416	11,176	10,051	-1.8	+2.1	+11.5	11,746	10,918	12,089	10,533	89,700	80,565
	Nondurable goods industries	96,262	96,852	96,273	88,905	-0.6	+0.6	+8.3	96,955	92,440	99,742	89,628	750,704	708,196
	With unfilled orders	24,858	25,596	24,771	22,847	-2.9	+3.3	+8.8	25,151	24,006	25,601	23,112	194,906	174,986
	Market categories:													
	Home goods and apparel	13,610	13,668	13,668	12,853	-0.4	0.0	+5.9	14,829	12,893	14,296	13,967	107,785	101,021
	Consumer staples	39,697	39,595	40,147	37,903	+0.3	-1.4	+4.7	39,483	37,817	41,628	37,735	308,836	289,913
	Equipment and defense products, except automotive	33,818	36,019	34,653	29,734	-6.1	+3.9	+13.7	30,585	31,630	35,460	26,658	254,165	240,202
	Automotive equipment	17,596	16,410	18,384	17,200	+7.2	-10.7	+2.3	15,683	13,416	19,895	15,380	150,037	144,332
	Construction materials, supplies and intermediate products	15,831	16,209	15,790	14,657	-2.3	+2.7	+8.0	16,559	16,158	17,296	15,354	128,048	119,432
	Other materials, supplies, and intermediate products	81,980	84,164	82,812	72,861	-2.6	+1.6	+12.5	80,845	79,126	85,523	71,783	641,445	601,683
	Supplementary series:[2]													
	Capital goods industries	38,937	41,905	40,564	33,240	-7.1	+3.3	+17.1	35,544	37,340	41,472	30,054	295,056	274,135
	Nondefense	29,387	31,982	29,987	25,340	-8.1	+6.7	+16.0	27,997	29,133	32,845	24,027	227,272	204,933
	Defense	9,550	9,923	10,577	7,900	-3.8	-6.2	+20.9	7,547	8,207	8,627	6,027	67,784	69,202
	Household durable goods industries	6,350	6,225	6,396	6,162	+2.0	-2.7	+3.1	6,615	5,641	6,900	6,407	50,306	46,863

P Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Aug. 1987[p]	July 1987[r]	June 1987	Aug. 1986[r]	July-Aug.[p]	June-July[r]	Aug.-87/86	Aug. 1987[p]	July 1987[r]	June 1987	Aug. 1986
	All manufacturing industries	394,457	391,887	385,217	371,804	+0.7	+1.7	+6.1	391,481	390,995	385,183	368,883
	Durable goods industries	380,784	378,396	372,215	361,361	+0.6	+1.7	+5.4	377,688	377,287	372,099	358,356
32	Stone, clay, and glass products	2,644	2,506	2,461	2,626	+5.5	+1.8	+0.7	2,644	2,545	2,514	2,627
33	Primary metals	20,207	20,028	19,646	16,317	+0.9	+1.9	+23.8	19,686	19,512	19,350	15,908
331	Blast furnaces, steel mills	11,314	11,247	10,944	8,370	+0.6	+2.8	+35.2	10,895	10,729	10,540	8,044
332	Iron and steel foundries	2,745	2,733	2,704	2,633	+0.4	+1.1	+4.3	2,723	2,746	2,699	2,613
333-9	Nonferrous and other primary metals	6,148	6,048	5,998	5,314	+1.7	+0.8	+15.7	6,068	6,037	6,111	5,251
34	Fabricated metal products	19,087	19,064	18,816	18,858	+0.1	+1.3	+1.2	19,283	19,239	18,982	19,053
35	Machinery, except electrical	57,198	56,954	56,185	57,263	+0.4	+1.4	-0.1	57,477	57,092	56,581	57,519
351	Engines and turbines	14,789	14,757	14,644	15,760	+0.2	+0.8	-6.2	14,872	14,675	14,472	15,842
353	Construction, mining, and material handling equipment	4,527	4,522	4,323	4,484	+0.1	+4.6	+1.0	4,459	4,518	4,284	4,416
354	Metalworking machinery	3,001	3,013	3,027	3,320	-0.4	-0.5	-9.6	3,157	3,109	3,003	3,493
357	Office and computing machines	19,214	19,276	18,985	19,574	-0.3	+1.5	-1.8	19,425	19,583	19,646	19,745
36	Electrical machinery	93,511	93,421	92,801	93,414	+0.1	+0.7	+0.1	93,080	93,569	93,093	93,006
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,468	5,332	5,335	5,447	+2.6	-0.1	+0.4	5,475	5,345	5,336	5,455
363	Household appliances	225	210	194	341	+7.1	+8.2	-34.0	240	232	207	365
365	Radio and TV	429	291	271	429	+47.4	+7.4	0.0	429	291	271	429
366	Communication equipment	68,863	69,389	68,998	69,474	-0.8	+0.6	-0.9	68,192	68,943	69,012	68,825
367	Electronic components	16,785	16,476	16,265	15,886	+1.9	+1.3	+5.7	16,970	17,007	16,530	16,060
364,9	Other electrical machinery	1,741	1,723	1,738	1,837	+1.0	-0.9	-5.2	1,774	1,751	1,737	1,872
37	Transportation equipment	173,338	171,590	167,728	159,596	+1.0	+2.3	+8.6	170,327	170,129	166,851	156,637
372,6	Aircraft, missiles, and parts	147,614	146,017	141,890	134,967	+1.1	+2.9	+9.4	145,254	144,550	141,195	132,614
3731,95	Shipbuilding and military tank vehicles	19,419	19,209	19,463	18,873	+1.1	-1.3	+2.9	18,868	19,295	19,452	18,349
38	Instruments and related products	8,933	8,965	8,735	8,245	-0.4	+2.6	+8.3	8,980	8,994	8,748	8,279
381-4	Scientific and engineering instruments	7,902	7,857	7,709	7,332	+0.6	+1.9	+7.8	7,902	7,857	7,709	7,332
24,25, 39	All other durable goods	5,866	5,868	5,843	5,042	0.0	+0.4	+16.3	6,211	6,207	5,980	5,327
	Nondurable goods industries	13,673	13,491	13,002	10,443	+1.3	+3.8	+30.9	13,793	13,708	13,084	10,527
	Market categories:											
	Home goods and apparel	4,763	4,717	4,567	4,175	+1.0	+3.3	+14.1	4,999	4,926	4,613	4,358
	Consumer staples	681	690	699	770	-1.3	-1.3	-11.6	674	665	629	762
	Equipment and defense products, except automotive	248,946	247,525	244,022	238,918	+0.6	+1.4	+4.2	245,787	246,175	244,062	235,767
	Automotive equipment	5,889	5,931	6,014	5,420	-0.7	-1.4	+8.7	5,789	5,851	5,843	5,338
	Construction materials, supplies and intermediate products	10,190	10,050	9,958	10,409	+1.4	+0.9	-2.1	10,334	10,223	10,149	10,55
	Other materials, supplies, and intermediate products	123,988	122,974	119,957	112,112	+0.8	+2.5	+10.6	123,898	123,155	119,887	112,10
	Supplementary series:[2]											
	Capital goods industries	303,124	301,517	296,624	290,342	+0.5	+1.6	+4.4	299,874	299,879	296,324	287,12
	Nondefense	140,019	139,172	135,296	125,837	+0.6	+2.9	+11.3	140,351	139,361	135,688	126,15
	Defense	163,105	162,345	161,328	164,505	+0.5	+0.6	-0.9	159,523	160,518	160,636	160,97
	Household durable goods industries	3,914	3,893	3,832	3,601	+0.5	+1.6	+8.7	4,092	4,037	3,837	3,74

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Aug. 1987P	July 1987r	June 1987	Aug. 1986r	July-Aug.P	June-Julyr	Aug.-87/86	Aug. 1987P	July 1987r	June 1987	Aug. 1986
	All manufacturing industries	325,106	323,333	321,621	319,613	+0.5	+0.5	+1.7	326,362	324,070	322,472	320,859
	Manufacturing industries with unfilled orders	220,304	218,991	217,880	218,672	+0.6	+0.5	+0.7	222,171	220,953	219,855	220,509
	Durable goods industries	210,819	209,951	208,654	209,684	+0.4	+0.6	+0.5	212,015	210,939	209,890	210,884
	With unfilled orders	193,620	192,486	191,388	193,258	+0.6	+0.6	+0.2	195,126	193,963	192,937	194,740
32	Stone, clay, and glass products	7,069	7,020	6,973	7,111	+0.7	+0.7	-0.6	7,051	7,089	7,114	7,093
33	Primary metals	16,451	16,299	16,228	17,591	+0.9	+0.4	-6.5	16,573	16,498	16,410	17,740
331	Blast furnaces, steel mills	7,412	7,296	7,270	8,206	+1.6	+0.4	-9.7	7,560	7,457	7,360	8,374
332	Iron and steel foundries	1,192	1,210	1,198	1,146	-1.5	+1.0	+4.0	1,150	1,198	1,211	1,108
333-9	Nonferrous and other primary metals	7,847	7,793	7,760	8,239	+0.7	+0.4	-4.8	7,863	7,843	7,839	8,258
34	Fabricated metal products	21,470	21,402	21,223	21,579	+0.3	+0.8	-0.5	21,394	21,517	21,652	21,513
35	Machinery, except electrical	40,929	40,824	40,902	42,495	+0.3	-0.2	-3.7	41,168	40,959	40,958	42,756
351	Engines and turbines	2,774	2,830	2,824	2,817	-2.0	+0.2	-1.5	2,842	2,885	2,852	2,885
353	Construction, mining, and material handling equipment	6,599	6,485	6,507	7,116	+1.8	-0.3	-7.3	6,612	6,398	6,473	7,130
354	Metalworking machinery	2,968	2,970	2,924	2,863	-0.1	+1.6	+3.7	3,010	2,997	2,941	2,902
357	Office and computing machines	9,689	9,606	9,683	10,559	+0.9	-0.8	-8.2	9,902	9,738	9,678	10,792
36	Electrical machinery	39,384	39,277	39,220	39,520	+0.3	+0.1	-0.3	39,683	39,682	39,763	39,815
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,833	4,846	4,864	4,970	-0.3	-0.4	-2.8	4,877	4,878	4,912	5,011
363	Household appliances	2,603	2,645	2,678	2,746	-1.6	-1.2	-5.2	2,530	2,701	2,824	2,671
365	Radio and TV	1,692	1,694	1,677	1,609	-0.1	+1.0	+5.2	1,804	1,804	1,763	1,715
366	Communication equipment	16,602	16,496	16,433	16,661	+0.6	+0.4	-0.4	16,648	16,583	16,453	16,711
367	Electronic components	7,979	7,877	7,842	7,701	+1.3	+0.4	+3.6	8,075	7,936	7,939	7,795
364,9	Other electrical machinery	5,675	5,719	5,726	5,833	-0.8	-0.1	-2.7	5,749	5,780	5,872	5,912
37	Transportation equipment	55,534	55,092	54,199	52,726	+0.8	+1.6	+5.3	56,035	54,923	53,965	53,174
371	Motor vehicles and parts	10,956	11,160	11,155	11,025	-1.8	0.0	-0.6	10,982	10,689	10,708	11,054
372,6	Aircraft, missiles, and parts	40,645	39,962	39,174	38,175	+1.7	+2.0	+6.5	41,167	40,360	39,442	38,635
3731,95	Shipbuilding and military tank vehicles	2,138	2,161	2,081	1,821	-1.1	+3.8	+17.4	2,148	2,167	2,082	1,834
38	Instruments and related products	12,542	12,511	12,461	12,484	+0.2	+0.4	+0.5	12,695	12,651	12,658	12,635
381-4	Scientific and engineering instruments	8,948	8,937	8,927	9,035	+0.1	+0.1	-1.0	8,993	8,996	9,022	9,080
386	Photographic goods	2,914	2,907	2,883	2,865	+0.2	+0.8	+1.7	3,007	2,966	2,957	2,958
24,25, 39	All other durable goods	17,440	17,526	17,448	16,178	-0.5	+0.4	+7.8	17,416	17,620	17,370	16,158
	Nondurable goods industries	114,287	113,382	112,967	109,929	+0.8	+0.4	+4.0	114,347	113,131	112,582	109,975
	With unfilled orders	26,684	26,505	26,492	25,414	+0.7	0.0	+5.0	27,045	26,990	26,918	25,769
20	Food and kindred products	24,061	24,170	24,639	24,000	-0.5	-1.9	+0.3	24,166	23,358	23,367	24,093
202	Dairy products	2,339	2,269	2,221	1,865	+3.1	+2.2	+25.4	2,369	2,306	2,258	1,888
208	Beverages	4,353	4,351	4,521	4,780	0.0	-3.8	-8.9	4,249	4,316	4,552	4,662
203-6,9	All other foods	14,143	14,304	14,521	14,191	-1.1	-1.5	-0.3	14,553	13,661	13,283	14,605
21	Tobacco products	5,911	5,936	5,928	5,501	-0.4	+0.1	+7.5	5,462	5,426	5,533	5,083
22	Textile mill products	6,938	6,796	6,751	6,683	+2.1	+0.7	+3.8	6,947	6,874	6,896	6,694
221-4,6, 8,9	Broadwoven fabrics	3,914	3,804	3,738	3,811	+2.9	+1.8	+2.7	3,902	3,835	3,784	3,801
26	Paper and allied products	11,015	10,923	10,906	10,361	+0.8	+0.2	+6.3	10,944	10,930	11,052	10,288
261-3,6	Pulp, paper etc.	4,170	4,141	4,175	3,955	+0.7	-0.8	+5.4	4,125	4,143	4,210	3,913
265	Paperboard containers	2,815	2,761	2,732	2,511	+2.0	+1.1	+12.1	2,815	2,758	2,758	2,508
264	All other paper products	4,030	4,021	3,999	3,895	+0.2	+0.6	+3.5	4,004	4,029	4,084	3,867
28	Chemicals and allied products	26,837	26,862	26,465	25,975	-0.1	+1.5	+3.3	26,803	26,971	26,499	25,935
281,6	Industrial chemicals, except pigments	7,971	7,980	7,732	7,878	-0.1	+3.2	+1.2	7,971	7,980	7,732	7,878
283,4	Drugs, soaps, and toiletries	8,815	8,775	8,851	8,384	+0.5	-0.9	+5.1	8,894	8,897	9,004	8,454
282,9	Other chemical products	6,377	6,374	6,314	5,812	0.0	+1.0	+9.7	6,383	6,480	6,331	5,831
29	Petroleum and coal products	10,971	10,546	10,348	10,369	+4.0	+1.9	+5.8	10,978	10,499	10,307	10,364
30	Rubber and plastics products	9,140	8,803	8,647	8,422	+3.8	+1.8	+8.5	9,069	8,863	8,811	8,348
23,27, 31	All other nondurable goods	19,414	19,346	19,283	18,618	+0.4	+0.3	+4.3	19,978	20,210	20,117	19,170
	Market categories:											
	Home goods and apparel	25,823	25,853	25,613	24,746	-0.1	+0.9	+4.4	26,219	26,752	26,749	25,115
	Consumer staples	42,016	42,135	42,592	41,104	-0.3	-1.1	+2.2	42,039	41,228	41,208	41,128
	Equipment and defense products, except automotive	93,326	92,632	92,225	93,642	+0.7	+0.4	-0.3	93,716	92,957	92,409	94,049
	Automotive equipment	13,439	13,566	13,544	13,561	-0.9	+0.2	-0.9	13,361	12,993	13,079	13,485
	Construction materials, supplies and intermediate products	23,445	23,398	23,180	22,488	+0.2	+0.9	+4.3	23,314	23,450	23,435	22,372
	Other materials, supplies, and intermediate products	127,057	125,749	124,467	124,072	+1.0	+1.0	+2.4	127,713	126,690	125,592	124,710
	Supplementary series:[2]											
	Capital goods industries	108,393	107,581	106,751	107,517	+0.8	+0.8	+0.8	109,308	108,374	107,411	108,400
	Nondefense	72,348	71,982	71,902	73,707	+0.5	+0.1	-1.8	72,880	72,242	72,121	74,265
	Defense	36,045	35,599	34,849	33,810	+1.3	+2.2	+6.6	36,428	36,132	35,290	34,135
	Household durable goods industries	13,111	13,263	13,164	12,634	-1.1	+0.8	+3.8	13,324	13,651	13,528	12,831

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Aug. 1987[p]	July 1987[r]	June 1987	Aug. 1986[r]	July-Aug.[p]	June-July[r]	Aug.-87/86	Aug. 1987[p]	July 1987[r]	June 1987	Aug. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	104,454	103,811	103,943	101,980	+0.6	-0.1	+2.4	104,189	103,846	103,594	101,801
	Durable goods industries	59,851	59,417	59,759	59,478	+0.7	-0.6	+0.6	60,163	59,762	59,608	59,878
32	Stone, clay, and glass products	2,262	2,246	2,213	2,293	+0.7	+1.5	-1.4	2,272	2,250	2,211	2,310
33	Primary metals	5,100	5,127	5,112	5,567	-0.5	+0.3	-8.4	5,166	5,138	5,062	5,647
34	Fabricated metal products	7,253	7,211	7,311	7,596	+0.6	-1.4	-4.5	7,314	7,337	7,351	7,661
35	Machinery, except electrical	11,765	11,686	11,775	11,650	+0.7	-0.8	+1.0	11,800	11,737	11,734	11,723
36	Electrical machinery	10,515	10,498	10,520	10,412	+0.2	-0.2	+1.0	10,589	10,689	10,577	10,484
37	Transportation equipment	12,019	11,767	11,969	11,872	+2.1	-1.7	+1.2	12,062	11,739	11,997	11,927
38	Instruments and related products	4,267	4,220	4,174	4,006	+1.1	+1.1	+6.5	4,289	4,242	4,190	4,036
24,25, 39	All other durable goods	6,670	6,662	6,685	6,082	+0.1	-0.3	+9.7	6,671	6,630	6,486	6,090
	Nondurable goods industries	44,603	44,394	44,184	42,502	+0.5	+0.5	+4.9	44,026	44,084	43,986	41,923
20	Food and kindred products	8,938	9,106	9,158	8,921	-1.8	-0.6	+0.2	8,530	8,811	8,939	8,512
21	Tobacco products	4,867	4,945	4,996	4,485	-1.6	-1.0	+8.5	4,486	4,507	4,674	4,133
22	Textile mill products	1,867	1,826	1,817	1,848	+2.2	+0.5	+1.0	1,869	1,873	1,869	1,849
26	Paper and allied products	5,796	5,724	5,689	5,270	+1.3	+0.6	+10.0	5,751	5,722	5,722	5,226
28	Chemicals and allied products	9,016	9,061	8,886	8,929	-0.5	+2.0	+1.0	9,081	9,182	8,907	8,992
29	Petroleum and coal products	3,170	3,059	3,071	3,121	+3.6	-0.4	+1.6	3,163	3,050	3,095	3,100
30	Rubber and plastics products	3,552	3,390	3,292	3,113	+4.8	+3.0	+14.1	3,519	3,423	3,381	3,075
23,27, 31	All other nondurable goods	7,397	7,283	7,275	6,815	+1.6	+0.1	+8.5	7,627	7,516	7,399	7,036
	WORK IN PROCESS											
	All manufacturing industries	115,595	114,938	114,194	114,032	+0.6	+0.7	+1.4	116,626	115,128	114,367	114,978
	Durable goods industries	97,304	96,904	96,060	97,011	+0.4	+0.9	+0.3	98,258	97,030	96,180	97,887
32	Stone, clay, and glass products	1,015	1,018	1,002	1,035	-0.3	+1.6	-1.9	1,020	1,025	1,013	1,038
33	Primary metals	6,437	6,403	6,432	6,728	+0.5	-0.5	-4.3	6,527	6,519	6,499	6,831
34	Fabricated metal products	7,508	7,328	7,408	7,449	+2.5	-1.1	+0.8	7,503	7,412	7,560	7,445
35	Machinery, except electrical	16,510	16,759	16,967	18,098	-1.5	-1.2	-8.8	16,676	16,664	16,925	18,253
36	Electrical machinery	20,210	20,107	20,127	20,403	+0.5	-0.1	-0.9	20,391	20,172	20,257	20,582
37	Transportation equipment	37,367	37,054	35,915	34,937	+0.8	+3.2	+7.0	37,803	36,928	35,638	35,302
38	Instruments and related products	4,685	4,699	4,726	4,937	-0.3	-0.6	-5.1	4,747	4,748	4,829	4,996
24,25, 39	All other durable goods	3,572	3,536	3,483	3,424	+1.0	+1.5	+4.3	3,591	3,562	3,459	3,440
	Nondurable goods industries	18,291	18,034	18,134	17,021	+1.4	-0.6	+7.5	18,368	18,098	18,187	17,091
20	Food and kindred products	2,463	2,432	2,520	2,495	+1.3	-3.5	-1.3	2,437	2,387	2,450	2,470
21	Tobacco products	117	110	110	127	+6.4	0.0	-7.9	116	110	109	126
22	Textile mill products	2,163	2,113	2,095	1,930	+2.4	+0.9	+12.1	2,152	2,089	2,079	1,920
26	Paper and allied products	1,251	1,239	1,251	1,208	+1.0	-1.0	+3.6	1,275	1,238	1,265	1,231
28	Chemicals and allied products	3,978	3,998	4,042	3,866	-0.5	-1.1	+2.9	4,015	4,063	4,132	3,900
29	Petroleum and coal products	2,461	2,344	2,248	2,140	+5.0	+4.3	+15.0	2,455	2,337	2,266	2,126
30	Rubber and plastics products	1,424	1,323	1,335	1,349	+7.6	-0.9	+5.6	1,425	1,325	1,330	1,353
23,27, 31	All other nondurable goods	4,434	4,475	4,533	3,906	-0.9	-1.3	+13.5	4,493	4,549	4,556	3,965
	FINISHED GOODS											
	All manufacturing industries	105,057	104,584	103,484	103,601	+0.5	+1.1	+1.4	105,547	105,096	104,511	104,080
	Durable goods industries	53,664	53,630	52,835	53,195	+0.1	+1.5	+0.9	53,594	54,147	54,102	53,119
32	Stone, clay, and glass products	3,792	3,756	3,758	3,783	+1.0	-0.1	+0.2	3,759	3,814	3,890	3,745
33	Primary metals	4,914	4,769	4,684	5,296	+3.0	+1.8	-7.2	4,880	4,841	4,849	5,262
34	Fabricated metal products	6,709	6,863	6,504	6,534	-2.2	+5.5	+2.7	6,577	6,768	6,741	6,407
35	Machinery, except electrical	12,654	12,379	12,160	12,747	+2.2	+1.8	-0.7	12,692	12,558	12,299	12,780
36	Electrical machinery	8,659	8,672	8,573	8,705	-0.1	+1.2	-0.5	8,703	8,821	8,929	8,749
37	Transportation equipment	6,148	6,271	6,315	5,917	-2.0	-0.7	+3.9	6,170	6,256	6,330	5,945
38	Instruments and related products	3,590	3,592	3,561	3,541	-0.1	+0.9	+1.4	3,659	3,661	3,639	3,603
24,25, 39	All other durable goods	7,198	7,328	7,280	6,672	-1.8	+0.7	+7.9	7,154	7,428	7,425	6,628
	Nondurable goods industries	51,393	50,954	50,649	50,406	+0.9	+0.6	+2.0	51,953	50,949	50,409	50,961
20	Food and kindred products	12,660	12,632	12,961	12,584	+0.2	-2.5	+0.6	13,199	12,160	11,978	13,111
21	Tobacco products	927	881	822	889	+5.2	+7.2	+4.3	860	809	750	824
22	Textile mill products	2,908	2,857	2,839	2,905	+1.8	+0.6	+0.1	2,926	2,912	2,948	2,925
26	Paper and allied products	3,968	3,960	3,966	3,883	+0.2	-0.2	+2.2	3,918	3,970	4,065	3,831
28	Chemicals and allied products	13,843	13,803	13,537	13,180	+0.3	+2.0	+5.0	13,707	13,726	13,460	13,043
29	Petroleum and coal products	5,340	5,143	5,029	5,108	+3.8	+2.3	+4.5	5,360	5,112	4,946	5,138
30	Rubber and plastics products	4,164	4,090	4,020	3,960	+1.8	+1.7	+5.2	4,125	4,115	4,100	3,920
23,27, 31	All other nondurable goods	7,583	7,588	7,475	7,897	-0.1	+1.5	-4.0	7,858	8,145	8,162	8,169

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Aug. 1987[p]	July 1987[r]	June 1987	Aug. 1986[r]	Aug. 1987[p]	July 1987[r]	June 1987	Aug. 1986[r]
	All manufacturing industries	1.63	1.62	1.60	1.71	3.60	3.59	3.53	3.61
	Durable goods industries	2.03	2.04	2.00	2.14	4.49	4.51	4.41	4.51
32	Stone, clay, and glass products	1.48	1.42	1.41	1.54	0.60	0.56	0.55	0.62
33	Primary metals	1.78	1.75	1.80	2.20	2.18	2.15	2.18	2.04
34	Fabricated metal products	1.96	1.94	1.89	1.93	1.93	1.92	1.86	1.85
35	Machinery, except electrical	2.26	2.26	2.36	2.55	3.35	3.38	3.45	3.64
36	Electrical machinery	2.05	2.09	2.12	2.27	4.87	4.97	5.01	5.36
37	Transportation equipment	2.21	2.29	2.01	2.10	11.93	12.40	10.87	11.06
38	Instruments and related products	2.39	2.34	2.36	2.46	1.71	1.67	1.65	1.62
	Nondurable goods industries	1.19	1.18	1.18	1.23	0.55	0.54	0.53	0.45
20	Food and kindred products	0.86	0.85	0.88	0.90	(X)	(X)	(X)	(X)
21	Tobacco products	3.98	5.19	2.88	3.88	(X)	(X)	(X)	(X)
22	Textile mill products	1.43	1.40	1.42	1.44	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.12	1.06	1.11	1.15	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.49	1.49	1.49	1.57	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.95	0.92	0.93	1.05	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.46	1.43	1.31	1.42	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Aug. 1986	All Augs. 1982-1986	Aug. 1986-July 1987	Year ago Aug. 1986	All Augs. 1982-1986	Aug. 1986-July 1987	Year ago Aug. 1986	All Augs. 1982-1986	Aug. 1986-July 1987	Year ago Aug. 1986	All Augs. 1982-1986	Aug. 1986-July 1987
	All manufacturing industries	0.2	0.3	0.2	0.5	0.4	0.3	0.2	0.1	0.1	0.2	0.1	0.1
	Durable goods industries	0.2	0.2	0.3	0.9	0.6	0.5	0.2	0.1	0.1	0.2	0.1	0.2
32	Stone, clay, and glass products	1.8	1.6	1.1	2.2	1.7	1.2	0.7	0.7	0.9	0.3	0.3	0.5
33	Primary metals	0.0	0.4	0.5	0.2	0.7	0.5	0.1	0.4	0.3	0.4	0.1	0.3
34	Fabricated metal products	0.1	0.6	0.6	0.9	1.3	0.9	0.7	0.4	0.5	0.3	0.2	0.2
35	Machinery, except electrical	0.1	0.4	0.7	0.4	1.3	1.2	0.1	0.3	0.2	0.3	0.1	0.2
36	Electrical machinery	0.0	0.2	0.2	0.2	1.0	0.5	0.0	0.2	0.1	0.1	0.0	0.2
37	Transportation equipment	0.4	0.4	0.1	3.1	1.5	0.5	0.5	0.2	0.1	0.4	0.2	0.1
38	Instruments and related products	1.0	0.9	1.4	0.9	1.1	1.3	0.1	0.3	0.4	0.2	0.2	0.2
	Nondurable goods industries	0.1	0.5	0.3	0.1	0.4	0.3	0.2	0.3	0.5	0.2	0.2	0.2
20	Food and kindred products	0.3	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5	0.3
21	Tobacco products	0.0	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.3
22	Textile mill products	0.7	0.7	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.2	0.6
26	Paper and allied products	0.4	0.5	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.1	0.4
28	Chemicals and allied product	0.1	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
29	Petroleum and coal products	0.6	0.3	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.6
30	Rubber and plastics products	0.1	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.4
	Capital goods industries:												
	Nondefense	0.1	0.2	0.5	0.1	0.7	0.7	0.0	0.1	0.1	0.1	0.0	0.2
	Defense	1.7	0.9	0.3	8.6	2.9	1.7	0.5	0.1	0.1	1.1	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1 (87)-9

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

September 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1(87)-9
For Wire Transmission 10:00 a.m. E.S.T. Monday, November 2, 1987

(All Figures in text are in seasonally adjusted current dollars)

DEC 21 1987
BOSTON PUBLIC LIBRARY

SUMMARY. New orders for manufactured goods in September increased $2.3 billion or 1.1 percent to $205.7 billion. New orders have been increasing since January except for the 1.3 percent decline in August. Most of the September orders increase was in durable goods, up $1.9 billion or 1.8 percent to $108.6 billion. Nondurables were up $0.4 billion or 0.4 percent to $97.1 billion.

Shipments of manufactured goods increased $4.1 billion or 2.1 percent to $204.8 billion. Most of the shipments increase was also in the durable goods sector, up $3.6 billion or 3.5 percent to $107.7 billion. Nondurables increased $0.5 billion or 0.5 percent to $97.0 billion.

Unfilled orders for manufactured goods increased $0.9 billion or 0.2 percent to $395.6 billion, continuing the upward trend which began in March.

Current cost inventories increased $1.1 billion or 0.3 percent in September to $326.5 billion, the fifth increase in the last six months. The inventory to shipments ratio in September was 1.59 down from 1.62 in August.

NEW ORDERS. The increase in durable goods new orders of 1.8 percent was concentrated in the primary metals and machinery industries. Primary metals were up $1.0 billion or 10.1 percent to $10.4 billion. This is the first time primary metals orders reached the $10.0 billion level since early 1984. Orders for electrical machinery were up $0.4 billion or 2.1 percent to $19.6 billion and for nonelectrical $0.4 billion or 2.0 percent to $18.8 billion. Nondefense communication equipment accounted for most of the electrical increase while the nonelectrical increase was more widespread. The largest decline in orders was in transportation equipment, down $0.5 billion or 1.7 percent to $26.6 billion.

The nondurable orders increase of 0.4 percent resulted from a mixed pattern of changes; the largest increases were in tobacco, paper, and chemical products, and the largest declines in printing and publishing and petroleum products.

SHIPMENTS. Increases in shipments of durable goods in September were widespread. The largest was in transportation equipment, up $2.2 billion or 8.9 percent to $27.5 billion; motor vehicles and parts were up 5.3 percent and aircraft and parts 17.1 percent. Primary metals shipments were up $0.4 billion or 4.8 percent and nonelectrical machinery $0.4 billion or 2.1 percent.

The largest increases in shipments of nondurable goods were in tobacco, paper and chemical products; the largest declines were in printing and publishing and petroleum products.

UNFILLED ORDERS. The increase in unfilled orders of 0.2 percent resulted from increases in primary metals and the machinery industries more than offsetting a large decline in transportation equipment; shipbuilding and tanks were down $0.7 billion or 3.9 percent. Excluding the decline in transportation equipment, unfilled orders increased 0.8 percent.

INVENTORIES. Durable goods inventories in September increased $0.7 billion or 0.3 percent to $211.6 billion, with most categories except nonelectrical machinery increasing. Nondurable goods inventories increased $0.3 billion or 0.3 percent to $114.8 billion. Food products were up $0.5 billion or 2.2 percent while petroleum product inventories declined $0.3 billion or 2.3 percent to $10.8 billion.

By stage of fabrication, inventories of materials and supplies were up 0.8 percent, work in process up 0.8 percent, and finished goods down 0.7 percent. This pattern held for both the durable and nondurable goods sectors.

SCHEDULED RELEASE DATES. The advance report on durable goods for October is scheduled for November 25, 1987, at 8:30 a.m. and the full report on December 3, 1987 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sep. 1987P	Aug. 1987r	July 1987	Sept. 1986r	Aug.-Sep.P	July-Aug.r	Sep.-87/86	Sep. 1987P	Aug. 1987r	July 1987	Sep. 1986	1987P	1986
	All manufacturing industries	204,765	200,638	199,395	190,384	+2.1	+0.6	+7.6	215,909	197,896	185,228	200,931	1,785,552	1,698,558
	Manufacturing industries with unfilled orders	112,992	109,618	109,027	104,961	+3.1	+0.5	+7.7	119,191	107,696	100,065	110,770	970,729	925,405
	Durable goods industries	107,746	104,135	103,032	100,655	+3.5	+1.1	+7.0	113,170	100,585	93,412	105,774	934,587	895,479
	With unfilled orders	88,157	84,833	83,920	81,862	+3.9	+1.1	+7.7	92,922	82,513	76,683	86,343	752,356	726,266
32	Stone, clay, and glass products	5,044	4,872	4,934	4,725	+3.5	-1.3	+6.8	5,518	5,092	4,909	5,165	45,540	42,918
33	Primary metals	9,723	9,282	9,336	8,510	+4.8	-0.6	+14.3	9,674	9,239	8,684	8,470	80,557	78,005
331	Blast furnaces, steel mills	4,340	4,118	4,077	3,447	+5.4	+1.0	+25.9	4,275	4,052	3,789	3,391	34,675	33,126
332	Iron and steel foundries	811	809	767	820	+0.2	+5.5	-1.1	795	831	689	806	7,199	7,760
333-9	Nonferrous and other primary metals	4,572	4,355	4,492	4,243	+5.0	-3.0	+7.8	4,604	4,356	4,206	4,273	38,683	37,119
34	Fabricated metal products	11,061	10,959	11,013	11,480	+0.9	-0.5	-3.6	11,581	11,047	10,392	12,003	101,437	102,944
35	Machinery, except electrical	18,482	18,100	18,095	16,817	+2.1	0.0	+9.9	19,565	16,626	16,400	17,819	155,656	153,395
351	Engines and turbines	1,380	1,332	1,251	1,269	+3.6	+6.5	+8.7	1,398	1,212	1,119	1,286	10,911	10,816
353	Construction, mining, and material handling equipment	2,356	2,305	2,219	1,953	+2.2	+3.9	+20.6	2,387	2,086	2,314	1,987	19,198	20,415
354	Metalworking machinery	786	699	712	751	+12.4	-1.8	+4.7	879	610	613	839	6,552	6,526
357	Office and computing machines	4,925	4,875	4,892	4,703	+1.0	-0.3	+4.7	5,733	4,409	4,120	5,474	40,123	39,959
36	Electrical machinery	19,217	19,133	18,801	17,659	+0.4	+1.8	+8.8	20,776	18,724	16,686	19,094	164,276	150,560
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,242	2,221	2,299	2,080	+0.9	-3.4	+7.8	2,480	2,159	2,007	2,307	19,944	18,978
363	Household appliances	1,504	1,560	1,546	1,508	-3.6	+0.9	-0.3	1,663	1,613	1,525	1,666	14,157	12,799
365	Radio and TV	1,188	1,102	883	1,173	+7.8	+24.8	+1.3	1,409	1,071	785	1,387	9,376	9,225
366	Communication equipment	6,424	6,332	6,253	6,077	+1.5	+1.3	+5.7	6,769	6,101	5,362	6,380	53,850	50,588
367	Electronic components	4,285	4,343	4,393	3,666	-1.3	-1.1	+16.9	4,516	4,349	3,971	3,876	36,784	33,014
364,9	Other electrical machinery	3,574	3,575	3,427	3,155	0.0	+4.3	+13.3	3,939	3,431	3,036	3,478	30,165	25,956
37	Transportation equipment	27,531	25,288	24,108	26,072	+8.9	+4.9	+5.6	28,227	22,921	20,674	26,745	240,154	232,014
371	Motor vehicles and parts	16,673	15,828	14,481	16,502	+5.3	+9.3	+1.0	17,082	13,737	11,408	16,904	150,647	146,483
372,6	Aircraft, missiles, and parts	9,001	7,687	8,005	7,961	+17.1	-4.0	+13.1	9,285	7,415	7,673	8,230	73,821	70,363
3731,95	Shipbuilding and military tank vehicles	831	820	736	825	+1.3	+11.4	+0.7	831	820	736	825	7,172	7,832
38	Instruments and related products	5,375	5,250	5,354	5,036	+2.4	-1.9	+6.7	5,687	5,150	4,976	5,343	46,702	44,996
381-4	Scientific and engineering instruments	3,592	3,528	3,606	3,335	+1.8	-2.2	+7.7	3,750	3,504	3,308	3,497	31,226	30,300
386	Photographic goods	1,616	1,559	1,585	1,532	+3.7	-1.6	+5.5	1,761	1,483	1,508	1,667	14,000	13,058
24,25, 39	All other durable goods	11,313	11,251	11,391	10,356	+0.6	-1.2	+9.2	12,142	11,786	10,691	11,135	100,265	90,647
	Nondurable goods industries	97,019	96,503	96,363	89,729	+0.5	+0.1	+8.1	102,739	97,311	91,816	95,157	850,965	803,079
	With unfilled orders	24,835	24,785	25,107	23,099	+0.2	-1.3	+7.5	26,269	25,183	23,382	24,427	218,373	199,139
20	Food and kindred products	27,928	27,943	28,382	26,768	-0.1	-1.5	+4.3	29,795	27,752	27,305	28,600	247,838	233,251
202	Dairy products	4,052	3,997	3,928	3,513	+1.4	+1.8	+15.3	4,117	4,006	3,965	3,572	35,560	31,475
208	Beverages	3,607	3,595	3,649	3,593	+0.3	-1.5	+0.4	3,715	3,869	3,932	3,696	32,932	33,430
203-6,9	All other foods	12,173	12,712	12,771	12,213	-4.2	-0.5	-0.3	13,682	12,020	11,540	13,712	110,445	105,406
21	Tobacco products	1,954	1,486	1,144	1,637	+31.5	+29.9	+19.4	1,954	1,486	1,144	1,637	13,285	13,196
22	Textile mill products	4,832	4,816	4,862	4,640	+0.3	-0.9	+4.1	5,274	5,012	4,171	5,058	42,298	40,691
221-4,6, 8,9	Broadwoven fabrics	2,991	2,984	2,990	2,848	+0.2	-0.2	+5.0	3,266	3,012	2,443	3,106	25,774	25,172
26	Paper and allied products	10,243	9,950	10,275	9,053	+2.9	-3.2	+13.1	10,487	10,094	9,772	9,263	88,333	77,167
261-3,6	Pulp, paper etc	4,410	4,314	4,543	3,911	+2.2	-5.0	+12.8	4,445	4,371	4,244	3,942	37,906	32,313
265	Paperboard containers	2,243	2,142	2,221	1,897	+4.7	-3.6	+18.2	2,317	2,193	2,117	1,957	19,133	16,856
264	All other paper products	3,590	3,494	3,511	3,245	+2.7	-0.5	+10.6	3,725	3,530	3,411	3,364	31,294	27,998
28	Chemicals and allied products	18,196	18,048	18,008	16,580	+0.8	+0.2	+9.7	19,268	17,769	16,577	17,594	160,837	150,218
281,6	Industrial chemicals, except pigments	5,328	5,262	5,367	4,733	+1.3	-2.0	+12.6	5,387	5,116	5,095	4,787	46,921	42,637
283,4	Drugs, soaps, and toiletries	6,227	6,086	6,054	5,939	+2.3	+0.5	+4.8	7,304	6,156	5,448	6,964	54,341	51,653
282,9	Other chemical products	4,412	4,485	4,387	3,797	-1.6	+2.2	+16.2	4,531	4,460	4,103	3,908	38,493	34,756
29	Petroleum and coal products	11,404	11,717	11,470	9,834	-2.7	+2.2	+16.0	11,597	11,862	11,598	10,052	97,031	100,600
30	Rubber and plastics products	6,468	6,392	6,142	6,052	+1.2	+4.1	+6.9	6,863	6,330	5,825	6,410	58,674	54,184
23,27, 31	All other nondurable goods	15,994	16,151	16,080	15,165	-1.0	+0.4	+5.5	17,501	17,006	15,424	16,543	142,669	133,772
	Market categories:													
	Home goods and apparel	13,805	13,683	13,518	13,058	+0.9	+1.2	+5.7	15,677	14,874	12,580	14,803	121,913	114,729
	Consumer staples	15,677	14,874	12,580	14,803	+5.4	+18.2	+5.9	43,162	39,552	37,781	41,431	352,165	331,343
	Equipment and defense products, except automotive	33,262	32,349	32,516	30,566	+2.8	-0.5	+8.8	35,184	30,872	29,517	32,376	281,448	273,483
	Automotive equipment	18,715	17,806	16,493	18,361	+5.1	+8.0	+1.9	19,214	15,766	13,408	18,849	168,987	163,574
	Construction materials, supplies and intermediate products	16,078	15,732	16,117	15,102	+2.2	-2.4	+6.5	17,352	16,453	16,084	16,329	145,159	135,667
	Other materials, supplies, and intermediate products	17,352	16,453	16,084	16,329	+5.5	+2.3	+6.3	85,320	80,379	75,858	77,143	715,880	679,762
	Supplementary series:[2]													
	Capital goods industries	39,052	37,289	37,012	35,453	+4.7	+0.7	+10.2	41,418	35,414	33,785	37,627	325,779	312,446
	Nondefense	29,517	28,494	28,106	26,562	+3.6	+1.4	+11.1	31,636	26,867	25,460	28,488	245,437	235,995
	Defense	9,535	8,795	8,906	8,891	+8.4	-1.2	+7.2	9,782	8,547	8,325	9,139	80,342	76,451
	Household durable goods industries	6,410	6,376	6,164	6,303	+0.5	+3.4	+1.7	7,360	6,610	5,441	7,227	56,584	53,130

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Sep. 1987p	Aug. 1987r	July 1987	Sep. 1986r	Aug.-Sep.p	July-Aug.r	Sep.-87/86	Sep. 1987p	Aug. 1987r	July 1987	Sep. 1986	1987p	1986
	All manufacturing industries	205,702	203,391	206,065	193,043	+1.1	-1.3	+6.6	215,428	198,583	191,040	202,301	1,806,343	1,698,884
	Manufacturing industries with unfilled orders	113,929	112,371	115,697	107,620	+1.4	-2.9	+5.9	118,710	108,383	105,877	112,140	991,520	925,731
	Durable goods industries	108,626	106,678	109,213	102,947	+1.8	-2.3	+5.5	112,723	101,163	98,600	106,841	952,469	895,228
	With unfilled orders	89,037	87,376	90,101	84,154	+1.9	-3.0	+5.8	92,475	83,091	81,871	87,410	770,238	726,015
32	Stone, clay, and glass products	5,087	4,978	4,979	4,745	+2.2	0.0	+7.2	5,498	5,167	4,940	5,129	45,710	42,961
33	Primary metals	10,415	9,461	9,718	8,822	+10.1	-2.6	+18.1	9,772	9,428	8,846	8,356	83,629	77,494
331	Blast furnaces, steel mills	4,714	4,159	4,380	3,941	+13.3	-5.0	+19.6	4,119	4,220	3,978	3,525	36,565	33,183
332	Iron and steel foundries	916	827	796	804	+10.8	+3.9	+13.9	902	808	736	788	7,353	7,993
333-9	Nonferrous and other primary metals	4,785	4,475	4,542	4,077	+6.9	-1.5	+17.4	4,751	4,400	4,132	4,043	39,711	36,318
34	Fabricated metal products	11,235	11,014	11,261	11,353	+2.0	-2.2	-1.0	11,591	11,127	10,649	11,729	102,069	102,021
35	Machinery, except electrical	18,776	18,412	18,864	16,664	+2.0	-2.4	+12.7	19,416	17,076	16,911	17,252	158,491	149,586
351	Engines and turbines	1,510	1,368	1,364	1,462	+10.4	+0.3	+3.3	1,558	1,407	1,322	1,498	11,436	10,479
353	Construction, mining, and material handling equipment	2,375	2,329	2,418	1,803	+2.0	-3.7	+31.7	2,418	2,047	2,548	1,851	19,373	19,032
354	Metalworking machinery	866	697	698	737	+24.2	-0.1	+17.5	942	659	719	782	6,718	6,374
357	Office and computing machines	4,858	4,857	5,183	4,480	0.0	-6.3	+8.4	5,239	4,338	4,057	4,924	40,508	38,613
36	Electrical machinery	19,643	19,234	19,421	17,661	+2.1	-1.0	+11.2	21,478	18,248	17,162	19,331	165,501	153,420
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,394	2,348	2,296	2,135	+2.0	+2.3	+12.1	2,621	2,284	2,016	2,353	20,227	18,711
363	Household appliances	1,497	1,575	1,562	1,546	-5.0	+0.8	-3.2	1,650	1,620	1,550	1,693	14,120	12,847
365	Radio and TV	1,231	1,223	903	1,248	+0.7	+35.4	-1.4	1,452	1,192	805	1,462	9,468	9,294
366	Communication equipment	6,409	5,824	6,644	6,156	+10.0	-12.3	+4.1	7,361	5,380	5,293	7,035	53,378	54,279
367	Electronic components	4,526	4,662	4,604	3,435	-2.9	+1.3	+31.8	4,432	4,309	4,448	3,316	38,036	32,043
364,9	Other electrical machinery	3,586	3,602	3,412	3,141	-0.4	+5.6	+14.2	3,962	3,463	3,050	3,472	30,272	26,246
37	Transportation equipment	26,616	27,087	27,970	28,130	-1.7	-3.2	-5.4	27,079	23,189	23,952	28,504	247,614	233,181
372,6	Aircraft, missiles, and parts	8,831	9,404	12,132	10,232	-6.1	-22.5	-13.7	8,680	8,187	11,028	9,988	79,812	71,564
3731,95	Shipbuilding and military tank vehicles	84	962	482	626	-91.3	+99.6	-86.6	349	393	579	910	8,212	8,307
38	Instruments and related products	5,503	5,227	5,584	5,258	+5.3	-6.4	+4.7	5,819	5,138	5,222	5,559	47,641	45,019
381-4	Scientific and engineering instruments	3,631	3,575	3,754	3,562	+1.6	-4.8	+1.9	3,789	3,551	3,456	3,724	31,765	30,273
24,25, 39	All other durable goods	11,351	11,265	11,416	10,314	+0.8	-1.3	+10.1	12,070	11,790	10,918	10,981	101,814	91,546
	Nondurable goods industries	97,076	96,713	96,852	90,096	+0.4	-0.1	+7.7	102,705	97,420	92,440	95,460	853,874	803,656
	With unfilled orders	24,892	24,995	25,596	23,466	-0.4	-2.3	+6.1	26,235	25,292	24,006	24,730	221,282	199,716
	Market categories:													
	Home goods and apparel	13,809	13,734	13,668	13,059	+0.5	+0.5	+5.7	15,569	14,928	12,893	14,692	123,453	115,713
	Consumer staples	40,031	39,739	39,595	38,363	+0.7	+0.4	+4.3	43,152	39,555	37,817	41,399	352,060	331,312
	Equipment and defense products, except automotive	33,154	33,873	36,019	31,404	-2.1	-6.0	+5.6	34,991	30,636	31,630	33,086	289,207	273,288
	Automotive equipment	18,761	17,763	16,410	18,383	+5.6	+8.2	+2.1	19,197	15,706	13,416	18,801	169,257	163,133
	Construction materials, supplies and intermediate products	15,997	15,828	16,209	15,019	+1.1	-2.4	+6.5	17,163	16,541	16,158	16,162	145,193	135,594
	Other materials, supplies, and intermediate products	83,950	82,454	84,164	76,815	+1.8	-2.0	+9.3	85,356	81,217	79,126	78,161	727,173	679,844
	Supplementary series:[2]													
	Capital goods industries	38,708	39,061	41,905	37,459	-0.9	-6.8	+3.3	41,053	35,622	37,340	39,567	336,187	313,702
	Nondefense	29,461	29,540	31,982	27,155	-0.3	-7.6	+8.5	31,122	28,076	29,133	28,668	258,473	233,601
	Defense	9,247	9,521	9,923	10,304	-2.9	-4.1	-10.3	9,931	7,546	8,207	10,899	77,714	80,101
	Household durable goods industries	6,417	6,398	6,225	6,296	+0.3	+2.8	+1.9	7,281	6,648	5,641	7,130	57,620	53,993

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Sep. 1987p	Aug. 1987r	July 1987	Sep. 1986r	Aug.-Sep.p	July-Aug.r	Sep.-87/86	Sep. 1987p	Aug. 1987r	July 1987	Sep. 1986
	All manufacturing industries	395,577	394,640	391,887	374,463	+0.2	+0.7	+5.6	391,201	391,682	390,995	370,253
	Durable goods industries	381,819	380,939	378,396	363,653	+0.2	+0.7	+5.0	377,418	377,865	377,287	359,423
32	Stone, clay, and glass products	2,655	2,612	2,506	2,646	+1.6	+4.2	+0.3	2,600	2,620	2,545	2,591
33	Primary metals	20,899	20,207	20,028	16,629	+3.4	+0.9	+25.7	19,799	19,701	19,512	15,794
331	Blast furnaces, steel mills	11,662	11,288	11,247	8,864	+3.3	+0.4	+31.6	10,741	10,897	10,729	8,178
332	Iron and steel foundries	2,856	2,751	2,733	2,617	+3.8	+0.7	+9.1	2,830	2,723	2,746	2,595
333-9	Nonferrous and other primary metals	6,381	6,168	6,048	5,148	+3.5	+2.0	+24.0	6,228	6,081	6,037	5,021
34	Fabricated metal products	19,293	19,119	19,064	18,731	+0.9	+0.3	+3.0	19,329	19,319	19,239	18,779
35	Machinery, except electrical	57,560	57,266	56,954	57,110	+0.5	+0.5	+0.8	57,393	57,542	57,092	56,952
351	Engines and turbines	14,923	14,793	14,757	15,953	+0.9	+0.2	-6.5	15,030	14,870	14,675	16,054
353	Construction, mining, and material handling equipment	4,565	4,546	4,522	4,334	+0.4	+0.5	+5.3	4,510	4,479	4,518	4,280
354	Metalworking machinery	3,091	3,011	3,013	3,306	+2.7	-0.1	-6.5	3,221	3,158	3,109	3,436
357	Office and computing machines	19,191	19,258	19,276	19,351	-0.3	-0.1	-0.8	19,018	19,512	19,583	19,195
36	Electrical machinery	93,948	93,522	93,421	93,416	+0.5	+0.1	+0.6	93,795	93,093	93,569	93,243
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,611	5,459	5,332	5,502	+2.8	+2.4	+2.0	5,611	5,470	5,345	5,501
363	Household appliances	218	225	210	379	-3.1	+7.1	-42.5	226	239	232	392
365	Radio and TV	455	412	291	504	+10.4	+41.6	-9.7	455	412	291	504
366	Communication equipment	68,866	68,881	69,389	69,553	0.0	-0.7	-1.0	68,814	68,222	68,943	69,480
367	Electronic components	17,036	16,795	16,476	15,655	+1.4	+1.9	+8.8	16,883	16,967	17,007	15,500
364,9	Other electrical machinery	1,762	1,750	1,723	1,823	+0.7	+1.6	-3.3	1,806	1,783	1,751	1,866
37	Transportation equipment	172,474	173,389	171,590	161,654	-0.5	+1.0	+6.7	169,249	170,397	170,129	158,396
372,6	Aircraft, missiles, and parts	147,564	147,734	146,017	137,238	-0.1	+1.2	+7.5	144,717	145,322	144,550	134,372
3731,95	Shipbuilding and military tank vehicles	18,604	19,351	19,209	18,674	-3.9	+0.7	-0.4	18,386	18,868	19,295	18,434
38	Instruments and related products	9,070	8,942	8,965	8,467	+1.4	-0.3	+7.1	9,114	8,982	8,994	8,495
381-4	Scientific and engineering instruments	7,943	7,904	7,857	7,559	+0.5	+0.6	+5.1	7,943	7,904	7,857	7,559
24,25, 39	All other durable goods	5,920	5,882	5,868	5,000	+0.6	+0.2	+18.4	6,139	6,211	6,207	5,173
	Nondurable goods industries	13,758	13,701	13,491	10,810	+0.4	+1.6	+27.3	13,783	13,817	13,708	10,830
	Market categories:											
	Home goods and apparel	4,772	4,768	4,717	4,176	+0.1	+1.1	+14.3	4,872	4,980	4,926	4,247
	Consumer staples	662	675	690	730	-1.9	-2.2	-9.3	658	668	665	730
	Equipment and defense products, except automotive	248,941	249,049	247,525	239,756	0.0	+0.6	+3.8	245,746	245,939	246,175	236,477
	Automotive equipment	5,934	5,888	5,931	5,442	+0.8	-0.7	+9.0	5,774	5,791	5,851	5,290
	Construction materials, supplies and intermediate products	10,065	10,146	10,050	10,326	-0.8	+1.0	-2.5	10,122	10,311	10,223	10,388
	Other materials, supplies, and intermediate products	125,203	124,114	122,974	114,033	+0.9	+0.9	+9.8	124,029	123,993	123,155	113,121
	Supplementary series:[2]											
	Capital goods industries	302,945	303,289	301,517	292,348	-0.1	+0.6	+3.6	299,722	300,087	299,879	289,069
	Nondefense	140,162	140,218	139,172	126,430	0.0	+0.8	+10.9	140,056	140,570	139,361	126,330
	Defense	162,783	163,071	162,345	165,918	-0.2	+0.4	-1.9	159,666	159,517	160,518	162,739
	Household durable goods industries	3,922	3,915	3,893	3,594	+0.2	+0.6	+9.1	3,996	4,075	4,037	3,650

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Sep. 1987[p]	Aug. 1987[r]	July 1987	Sep. 1986[r]	Aug.-Sep.[p]	July-Aug.[r]	Sep.-87/86	Sep. 1987[p]	Aug. 1987[r]	July 1987	Sep. 1986
	All manufacturing industries	326,463	325,395	323,333	318,356	+0.3	+0.6	+2.5	325,736	326,648	324,070	317,705
	Manufacturing industries with unfilled orders	221,173	220,521	218,991	218,157	+0.3	+0.7	+1.4	221,438	222,380	220,953	218,365
	Durable goods industries	211,642	210,921	209,951	209,402	+0.3	+0.5	+1.1	211,660	212,106	210,939	209,380
	With unfilled orders	194,173	193,677	192,486	192,837	+0.3	+0.6	+0.7	194,553	195,176	193,963	193,159
32	Stone, clay, and glass products	7,036	7,055	7,020	6,913	-0.3	+0.5	+1.8	6,885	7,025	7,089	6,764
33	Primary metals	16,639	16,466	16,299	17,162	+1.1	+1.0	-3.0	16,738	16,581	16,498	17,256
331	Blast furnaces, steel mills	7,502	7,407	7,296	7,860	+1.3	+1.5	-4.6	7,645	7,557	7,457	8,002
332	Iron and steel foundries	1,199	1,189	1,210	1,142	+0.8	-1.7	+5.0	1,179	1,150	1,198	1,122
333-9	Nonferrous and other primary metals	7,938	7,870	7,793	8,160	+0.9	+1.0	-2.7	7,914	7,874	7,843	8,132
34	Fabricated metal products	21,723	21,501	21,402	21,481	+1.0	+0.5	+1.1	21,548	21,396	21,517	21,300
35	Machinery, except electrical	40,546	40,879	40,824	42,426	-0.8	+0.1	-4.4	40,352	41,146	40,959	42,239
351	Engines and turbines	2,825	2,771	2,830	2,852	+1.9	-2.1	-0.9	2,827	2,841	2,885	2,851
353	Construction, mining, and material handling equipment	6,400	6,594	6,485	7,216	-2.9	+1.7	-11.3	6,381	6,607	6,398	7,195
354	Metalworking machinery	2,965	2,968	2,970	2,902	-0.1	-0.1	+2.2	2,935	3,007	2,997	2,875
357	Office and computing machines	9,520	9,654	9,606	10,301	-1.4	+0.5	-7.6	9,491	9,885	9,738	10,273
36	Electrical machinery	39,584	39,384	39,277	39,450	+0.5	+0.3	+0.3	39,506	39,694	39,682	39,366
361,2	Electrical transmission and distributing equipment and industrial apparatus	4,808	4,844	4,846	4,955	-0.7	0.0	-3.0	4,810	4,885	4,878	4,951
363	Household appliances	2,740	2,608	2,645	2,747	+5.1	-1.4	-0.3	2,587	2,531	2,701	2,593
365	Radio and TV	1,626	1,686	1,694	1,593	-3.6	-0.5	+2.1	1,681	1,800	1,804	1,649
366	Communication equipment	16,710	16,589	16,496	16,553	+0.7	+0.6	+0.9	16,702	16,651	16,583	16,550
367	Electronic components	8,087	7,986	7,877	7,717	+1.3	+1.4	+4.8	8,079	8,074	7,936	7,699
364,9	Other electrical machinery	5,613	5,671	5,719	5,885	-1.0	-0.8	-4.6	5,647	5,753	5,780	5,924
37	Transportation equipment	55,945	55,582	55,092	53,254	+0.7	+0.9	+5.1	56,600	56,078	54,923	53,863
371	Motor vehicles and parts	11,330	10,961	11,160	10,977	+3.4	-1.8	+3.2	11,428	10,983	10,689	11,067
372,6	Aircraft, missiles, and parts	40,699	40,671	39,962	38,612	+0.1	+1.8	+5.4	41,265	41,184	40,360	39,134
3731,95	Shipbuilding and military tank vehicles	2,148	2,137	2,161	1,900	+0.5	-1.1	+13.1	2,170	2,148	2,167	1,928
38	Instruments and related products	12,674	12,561	12,511	12,638	+0.9	+0.4	+0.3	12,672	12,711	12,651	12,633
381-4	Scientific and engineering instruments	9,089	8,968	8,937	9,176	+1.3	+0.3	-0.9	9,089	9,005	8,996	9,174
386	Photographic goods	2,906	2,914	2,907	2,883	-0.3	+0.2	+0.8	2,903	3,011	2,966	2,880
24,25, 39	All other durable goods	17,495	17,493	17,526	16,078	0.0	-0.2	+8.8	17,359	17,475	17,620	15,959
	Nondurable goods industries	114,821	114,474	113,382	108,954	+0.3	+1.0	+5.4	114,076	114,542	113,131	108,325
	With unfilled orders	27,000	26,844	26,505	25,320	+0.6	+1.3	+6.6	26,885	27,204	26,990	25,206
20	Food and kindred products	24,611	24,091	24,170	23,562	+2.2	-0.3	+4.5	24,765	24,268	23,358	23,797
202	Dairy products	2,367	2,340	2,269	1,882	+1.2	+3.1	+25.8	2,343	2,371	2,306	1,864
208	Beverages	4,473	4,376	4,351	4,767	+2.2	+0.6	-6.2	4,348	4,273	4,316	4,637
203-6,9	All other foods	14,121	14,173	14,304	13,756	-0.4	-0.9	+2.7	14,799	14,636	13,661	14,438
21	Tobacco products	5,736	5,903	5,936	5,470	-2.8	-0.6	+4.9	5,610	5,462	5,426	5,354
22	Textile mill products	6,878	6,957	6,796	6,663	-1.1	+2.4	+3.2	6,782	6,959	6,874	6,567
221-4,6, 8,9	Broadwoven fabrics	3,855	3,938	3,804	3,840	-2.1	+3.5	+0.4	3,786	3,920	3,835	3,768
26	Paper and allied products	11,074	11,021	10,923	10,306	+0.5	+0.9	+7.5	10,860	10,942	10,930	10,102
261-3,6	Pulp, paper etc.	4,162	4,173	4,141	3,957	-0.3	+0.8	+5.2	4,072	4,127	4,143	3,870
265	Paperboard containers	2,835	2,811	2,761	2,537	+0.9	+1.8	+11.7	2,798	2,806	2,758	2,502
264	All other paper products	4,077	4,037	4,021	3,812	+1.0	+0.4	+7.0	3,990	4,009	4,029	3,730
28	Chemicals and allied products	26,927	26,847	26,862	25,936	+0.3	-0.1	+3.8	26,592	26,786	26,971	25,595
281,6	Industrial chemicals, except pigments	7,925	7,967	7,980	7,731	-0.5	-0.2	+2.5	7,925	7,967	7,980	7,731
283,4	Drugs, soaps, and toiletries	8,905	8,811	8,775	8,369	+1.1	+0.4	+6.4	8,745	8,871	8,897	8,218
282,9	Other chemical products	6,414	6,394	6,374	5,915	+0.3	+0.3	+8.4	6,343	6,392	6,480	5,841
29	Petroleum and coal products	10,779	11,031	10,546	9,988	-2.3	+4.6	+7.9	10,780	10,996	10,499	10,010
30	Rubber and plastics products	9,072	9,104	8,803	8,480	-0.4	+3.4	+7.0	8,869	9,036	8,863	8,280
23,27, 31	All other nondurable goods	19,744	19,520	19,346	18,549	+1.1	+0.9	+6.4	19,818	20,093	20,210	18,620
	Market categories:											
	Home goods and apparel	26,074	25,825	25,853	24,608	+1.0	-0.1	+6.0	25,790	26,218	26,752	24,339
	Consumer staples	42,169	42,136	42,135	40,624	+0.1	0.0	+3.8	42,369	42,209	41,228	40,849
	Equipment and defense products, except automotive	93,338	93,326	92,632	93,914	0.0	+0.7	-0.6	93,300	93,715	92,957	93,870
	Automotive equipment	13,778	13,458	13,566	13,510	+2.4	-0.8	+2.0	13,778	13,387	12,993	13,498
	Construction materials, supplies and intermediate products	23,502	23,459	23,398	22,203	+0.2	+0.3	+5.9	23,239	23,309	23,450	21,941
	Other materials, supplies, and intermediate products	127,602	127,191	125,749	123,497	+0.3	+1.1	+3.3	127,260	127,810	126,690	123,209
	Supplementary series:[2]											
	Capital goods industries	108,091	108,380	107,581	107,884	-0.3	+0.7	+0.2	108,491	109,329	108,374	108,244
	Nondefense	71,825	72,315	71,982	73,678	-0.7	+0.5	-2.5	71,923	72,893	72,242	73,776
	Defense	36,266	36,065	35,599	34,206	+0.6	+1.3	+6.0	36,568	36,436	36,132	34,469
	Household durable goods industries	13,281	13,137	13,263	12,550	+1.1	-1.0	+5.8	13,126	13,357	13,651	12,405

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Sep. 1987[p]	Aug. 1987[r]	July 1987	Sep. 1986[r]	Aug.-Sep.[p]	July-Aug.[r]	Sep.-87/86	Sep. 1987[p]	Aug. 1987[r]	July 1987	Sep. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	104,736	103,931	103,811	101,557	+0.8	+0.1	+3.1	104,300	103,674	103,846	101,269
	Durable goods industries	59,708	59,328	59,417	59,465	+0.6	-0.1	+0.4	59,957	59,627	59,762	59,804
32	Stone, clay, and glass products	2,176	2,222	2,246	2,189	-2.1	-1.1	-0.6	2,185	2,229	2,250	2,214
33	Primary metals	5,120	5,108	5,127	5,518	+0.2	-0.4	-7.2	5,229	5,167	5,138	5,632
34	Fabricated metal products	7,434	7,232	7,211	7,486	+2.8	+0.3	-0.7	7,467	7,281	7,337	7,517
35	Machinery, except electrical	11,734	11,672	11,686	11,676	+0.5	-0.1	+0.5	11,766	11,714	11,737	11,751
36	Electrical machinery	10,490	10,512	10,498	10,470	-0.2	+0.1	+0.2	10,452	10,594	10,689	10,430
37	Transportation equipment	11,974	11,721	11,767	12,089	+2.2	-0.4	-1.0	11,985	11,746	11,739	12,125
38	Instruments and related products	4,297	4,263	4,220	4,005	+0.8	+1.0	+7.3	4,311	4,292	4,242	4,028
24,25, 39	All other durable goods	6,483	6,598	6,662	6,032	-1.7	-1.0	+7.5	6,562	6,604	6,630	6,107
	Nondurable goods industries	45,028	44,603	44,394	42,092	+1.0	+0.5	+7.0	44,343	44,047	44,084	41,465
20	Food and kindred products	9,437	9,017	9,106	8,714	+4.7	-1.0	+8.3	8,892	8,642	8,811	8,233
21	Tobacco products	4,732	4,856	4,945	4,364	-2.6	-1.8	+8.4	4,650	4,486	4,507	4,292
22	Textile mill products	1,913	1,890	1,826	1,768	+1.2	+3.5	+8.2	1,861	1,890	1,873	1,720
26	Paper and allied products	5,876	5,801	5,724	5,286	+1.3	+1.3	+11.2	5,825	5,744	5,722	5,240
28	Chemicals and allied products	9,011	8,954	9,061	9,001	+0.6	-1.2	+0.1	9,001	9,012	9,182	8,983
29	Petroleum and coal products	3,193	3,191	3,059	2,997	+0.1	+4.3	+6.5	3,186	3,165	3,050	2,986
30	Rubber and plastics products	3,453	3,474	3,390	3,147	-0.6	+2.5	+9.7	3,410	3,445	3,423	3,100
23,27, 31	All other nondurable goods	7,413	7,420	7,283	6,815	-0.1	+1.9	+8.8	7,518	7,663	7,516	6,911
	WORK IN PROCESS											
	All manufacturing industries	117,073	116,092	114,938	114,062	+0.8	+1.0	+2.6	117,879	117,132	115,128	114,747
	Durable goods industries	98,573	97,706	96,904	96,978	+0.9	+0.8	+1.6	99,337	98,677	97,030	97,621
32	Stone, clay, and glass products	1,020	1,013	1,018	1,025	+0.7	-0.5	-0.5	1,005	1,017	1,025	1,007
33	Primary metals	6,512	6,444	6,403	6,594	+1.1	+0.6	-1.2	6,560	6,537	6,519	6,635
34	Fabricated metal products	7,577	7,505	7,328	7,440	+1.0	+2.4	+1.8	7,641	7,481	7,412	7,500
35	Machinery, except electrical	16,944	16,563	16,759	17,825	+2.3	-1.2	-4.9	16,923	16,755	16,664	17,788
36	Electrical machinery	20,411	20,222	20,107	20,362	+0.9	+0.6	+0.2	20,437	20,400	20,172	20,385
37	Transportation equipment	37,717	37,664	37,054	35,326	+0.1	+1.6	+6.8	38,355	38,122	36,928	35,881
38	Instruments and related products	4,827	4,704	4,699	5,037	+2.6	+0.1	-4.2	4,838	4,754	4,748	5,039
24,25, 39	All other durable goods	3,565	3,591	3,536	3,369	-0.7	+1.6	+5.8	3,578	3,611	3,562	3,386
	Nondurable goods industries	18,500	18,386	18,034	17,084	+0.6	+2.0	+8.3	18,542	18,455	18,098	17,126
20	Food and kindred products	2,474	2,479	2,432	2,501	-0.2	+1.9	-1.1	2,443	2,466	2,387	2,476
21	Tobacco products	167	116	110	192	+44.0	+5.5	-13.0	167	116	110	192
22	Textile mill products	2,169	2,163	2,113	1,985	+0.3	+2.4	+9.3	2,154	2,150	2,089	1,972
26	Paper and allied products	1,245	1,251	1,239	1,190	-0.5	+1.0	+4.6	1,259	1,276	1,238	1,203
28	Chemicals and allied products	3,996	4,013	3,998	3,929	-0.4	+0.4	+1.7	4,091	4,055	4,063	4,017
29	Petroleum and coal products	2,408	2,432	2,344	2,006	-1.0	+3.8	+20.0	2,402	2,412	2,337	1,998
30	Rubber and plastics products	1,414	1,439	1,323	1,409	-1.7	+8.8	+0.4	1,419	1,439	1,325	1,417
23,27, 31	All other nondurable goods	4,627	4,493	4,475	3,872	+3.0	+0.4	+19.5	4,607	4,541	4,549	3,851
	FINISHED GOODS											
	All manufacturing industries	104,654	105,372	104,584	102,737	-0.7	+0.8	+1.9	103,557	105,842	105,096	101,689
	Durable goods industries	53,361	53,887	53,630	52,959	-1.0	+0.5	+0.8	52,366	53,802	54,147	51,955
32	Stone, clay, and glass products	3,840	3,820	3,756	3,699	+0.5	+1.7	+3.8	3,695	3,779	3,814	3,543
33	Primary metals	5,007	4,914	4,769	5,050	+1.9	+3.0	-0.9	4,949	4,877	4,841	4,989
34	Fabricated metal products	6,712	6,764	6,863	6,555	-0.8	-1.4	+2.4	6,440	6,634	6,768	6,283
35	Machinery, except electrical	11,868	12,644	12,379	12,925	-6.1	+2.1	-8.2	11,663	12,677	12,558	12,700
36	Electrical machinery	8,683	8,650	8,672	8,618	+0.4	-0.3	+0.8	8,617	8,700	8,821	8,551
37	Transportation equipment	6,254	6,197	6,271	5,839	+0.9	-1.2	+7.1	6,260	6,210	6,256	5,857
38	Instruments and related products	3,550	3,594	3,592	3,596	-1.2	+0.1	-1.3	3,523	3,665	3,661	3,566
24,25, 39	All other durable goods	7,447	7,304	7,328	6,677	+2.0	-0.3	+11.5	7,219	7,260	7,428	6,466
	Nondurable goods industries	51,293	51,485	50,954	49,778	-0.4	+1.0	+3.0	51,191	52,040	50,949	49,734
20	Food and kindred products	12,700	12,595	12,632	12,347	+0.8	-0.3	+2.9	13,430	13,160	12,160	13,088
21	Tobacco products	837	931	881	914	-10.1	+5.7	-8.4	793	860	809	870
22	Textile mill products	2,796	2,904	2,857	2,910	-3.7	+1.6	-3.9	2,767	2,919	2,912	2,875
26	Paper and allied products	3,953	3,969	3,960	3,830	-0.4	+0.2	+3.2	3,776	3,922	3,970	3,659
28	Chemicals and allied products	13,920	13,880	13,803	13,006	+0.3	+0.6	+7.0	13,500	13,719	13,726	12,585
29	Petroleum and coal products	5,178	5,408	5,143	4,985	-4.3	+5.2	+3.9	5,192	5,419	5,112	5,026
30	Rubber and plastics products	4,205	4,191	4,090	3,924	+0.3	+2.5	+7.2	4,040	4,152	4,115	3,763
23,27, 31	All other nondurable goods	7,704	7,607	7,588	7,862	+1.3	+0.3	-2.0	7,693	7,889	8,145	7,858

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Sep. 1987p	Aug. 1987r	July 1987	Sep. 1986r	Sep. 1987p	Aug. 1987r	July 1987	Sep. 1986r
	All manufacturing industries	1.59	1.62	1.62	1.67	3.50	3.60	3.59	3.57
	Durable goods industries	1.96	2.03	2.04	2.08	4.33	4.49	4.51	4.44
32	Stone, clay, and glass products	1.39	1.45	1.42	1.46	0.57	0.59	0.56	0.61
33	Primary metals	1.71	1.77	1.75	2.02	2.15	2.18	2.15	1.95
34	Fabricated metal products	1.96	1.96	1.94	1.87	1.92	1.93	1.92	1.78
35	Machinery, except electrical	2.19	2.26	2.26	2.52	3.30	3.35	3.38	3.58
36	Electrical machinery	2.06	2.06	2.09	2.23	4.89	4.89	4.97	5.29
37	Transportation equipment	2.03	2.20	2.29	2.04	10.50	11.97	12.40	10.89
38	Instruments and related products	2.36	2.39	2.34	2.51	1.69	1.70	1.67	1.68
	Nondurable goods industries	1.18	1.19	1.18	1.21	0.55	0.55	0.54	0.47
20	Food and kindred products	0.88	0.86	0.85	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	2.94	3.97	5.19	3.34	(X)	(X)	(X)	(X)
22	Textile mill products	1.42	1.44	1.40	1.44	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.08	1.11	1.06	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.48	1.49	1.49	1.56	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.95	0.94	0.92	1.02	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.40	1.42	1.43	1.40	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987	Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987	Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987	Year ago Sept. 1986	All Septs. 1982-1986	Sept. 1986-Aug. 1987
	All manufacturing industries	0.0	0.2	0.2	0.0	0.2	0.3	0.0	0.0	0.1	0.1	0.1	0.1
	Durable goods industries	0.1	0.3	0.3	0.3	0.3	0.4	0.0	0.1	0.1	0.1	0.2	0.2
32	Stone, clay, and glass products	0.5	0.9	1.0	0.2	0.5	1.1	0.5	1.0	1.0	0.9	0.7	0.5
33	Primary metals	0.3	0.5	0.5	0.3	0.7	0.5	0.3	0.2	0.3	0.2	0.1	0.3
34	Fabricated metal products	0.2	0.6	0.6	0.3	1.1	0.8	0.2	0.5	0.5	0.2	0.2	0.2
35	Machinery, except electrical	0.7	0.5	0.7	1.8	0.9	1.2	0.1	0.1	0.2	0.1	0.5	0.2
36	Electrical machinery	0.1	0.4	0.2	0.2	0.4	0.6	0.1	0.1	0.1	0.3	0.2	0.1
37	Transportation equipment	0.0	0.3	0.1	0.0	1.1	0.2	0.0	0.1	0.1	0.1	0.2	0.1
38	Instruments and related products	0.1	0.7	1.3	0.1	0.8	1.2	0.1	0.3	0.4	0.1	0.2	0.2
	Nondurable goods industries	0.1	0.2	0.3	0.3	0.2	0.3	1.4	0.7	0.5	0.1	0.2	0.2
20	Food and kindred products	0.3	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.3
21	Tobacco products	0.3	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.3
22	Textile mill products	1.6	1.3	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	0.7	0.6
26	Paper and allied products	0.2	0.8	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.4
28	Chemicals and allied product	1.6	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.2
29	Petroleum and coal products	0.2	0.4	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.7	0.6
30	Rubber and plastics products	1.0	2.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.4
	Capital goods industries:												
	Nondefense	0.2	0.6	0.5	1.5	1.2	0.7	0.2	0.8	0.1	0.1	0.3	0.1
	Defense	0.3	0.5	0.2	3.3	2.6	1.0	0.2	0.1	0.1	0.1	0.3	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

3.158:
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JAN 5 1993
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT
3-1(87)-10

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

October 1987

M3-1(87)10

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. EST Thursday, December 3, 1987

(All Figures in text are in seasonally adjusted current dollars)

SUMMARY. New orders for manufactured goods in October increased $2.2 billion or 1.1 percent to $208.9 billion. New orders have been increasing since January except for the 1.4 percent decline in August. Most of the October increase was in durable goods, up $1.5 billion or 1.4 percent to $110.8 billion; this revises the earlier reported 0.3 percent increase. Nondurable goods increased $0.7 billion or 0.7 percent to $98.1 billion.

Shipments of manufactured goods increased $0.3 billion or 0.2 percent to $206.1 billion, following a 2.7 percent increase in September. In October, an increase in nondurables of 0.6 percent more than offset a decline in durables of 0.3 percent.

Unfilled orders at the end of October were up $2.9 billion or 0.7 percent to $398.5 billion, continuing the strong upward trend which began in March.

Current cost inventories increased $1.8 billion or 0.5 percent to $328.5 billion. Inventories have been building since March at the average rate of $1.2 billion or 0.4 percent per month. The inventory to shipments ratio in October was 1.59, the same as September.

NEW ORDERS. The increase in orders for durable goods in October was concentrated in the transportation equipment industry which increased $2.0 billion or 7.5 percent to $28.5 billion. Aircraft and parts were up $1.2 billion or 13.4 percent and motor vehicles and parts $0.5 billion or 3.1 percent. Excluding transportation, durable orders declined 0.6 percent. Instruments and related products decreased $0.4 billion or 6.6 percent to $5.2 billion, primary metals were down $0.3 billion or 3.2 percent to $10.4 billion, and electrical machinery was down $0.1 billion or 0.7 percent to $19.8 billion. Nonelectrical machinery was unchanged from September.

The increase in nondurable goods orders of 0.7 percent reflected widespread increases; excluding tobacco products, the increase is 1.4 percent.

SHIPMENTS. Most of the major durable goods industries showed relatively small changes in shipments from September. Transportation equipment in October declined $0.2 billion or 0.8 percent to $27.4 billion; an increase in the motor vehicles and parts industry was more than offset by a decline in aircraft and parts. Electrical machinery was down $0.2 billion or 1.1 percent and nonelectrical $0.1 billion or 0.5 percent.

The increase in nondurable goods shipments of 0.6 percent reflected widespread increases; excluding tobacco products, the increase is 1.3 percent.

UNFILLED ORDERS. The gain in unfilled orders of 0.7 percent reflected widespread increases. Transportation equipment was up $1.0 billion or 0.6 percent to $173.3 billion, electrical machinery, $0.7 billion or 0.8 percent to $94.9 billion, nonelectrical machinery, $0.3 billion or 0.6 percent to $57.8 billion and primary metals, $0.4 billion or 1.7 percent to $21.3 billion. Primary metals has increased an average of over half a billion dollars a month since February at $16.6 billion.

INVENTORIES. Nearly all the October increase in inventories was for durable goods, up $1.7 billion or 0.8 percent or $213.4 billion. The largest increase was in transportation equipment, up $0.8 billion, most of which was in aircraft and parts. Nondurable goods inventories were relatively flat at $115.1 billion.

By stage of fabrication, finished durable goods increased $1.0 billion or 1.9 percent, while work in process increased 0.7 percent and materials and supplies showed no change. Finished nondurable goods increased 0.5 percent and work in process 0.7 percent; materials and supplies declined 0.6 percent.

SCHEDULED RELEASED DATES. The advance report on durable goods for November is scheduled for December 22, 1987, at 8:30 a.m. and the full report on December 31, 1987 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service–CENDATA™. The online version of the report can be read from a terminal screen, printed on– or off–line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334–2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763–2074) can provide content information and general guidance, or write for a brochure to CENDATA. DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]	Sep.-Oct.[p]	Aug.-Sep.[r]	Oct.-87/86	Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986	1987[p]	1986
	All manufacturing industries	206,066	205,732	200,404	189,722	+0.2	+2.7	+8.6	211,665	217,014	197,662	194,974	1,998,110	1,893,532
	Manufacturing industries with unfilled orders	113,067	113,567	109,618	105,229	-0.4	+3.6	+7.4	116,096	119,923	107,696	108,138	1,087,566	1,033,543
	Durable goods industries	108,160	108,433	104,135	101,009	-0.3	+4.1	+7.1	111,655	114,002	100,585	104,244	1,047,074	999,723
	With unfilled orders	87,652	88,748	84,833	82,023	-1.2	+4.6	+6.9	89,760	93,710	82,513	84,045	842,904	810,311
32	Stone, clay, and glass products	5,369	5,098	4,872	4,775	+5.3	+4.6	+12.4	5,691	5,572	5,092	5,054	51,285	47,972
33	Primary metals	10,038	9,950	9,282	8,403	+0.9	+7.2	+19.5	10,137	10,005	9,239	8,488	91,025	86,493
331	Blast furnaces, steel mills	4,493	4,353	4,118	3,469	+3.2	+5.7	+29.5	4,484	4,271	4,052	3,457	39,155	36,583
332	Iron and steel foundries	828	812	809	841	+2.0	+0.4	-1.5	879	792	831	890	8,075	8,650
333-9	Nonferrous and other primary metals	4,717	4,785	4,355	4,093	-1.4	+9.9	+15.2	4,774	4,942	4,356	4,141	43,795	41,260
34	Fabricated metal products	10,978	11,061	10,959	11,344	-0.8	+0.9	-3.2	11,549	11,570	11,047	11,941	112,975	114,885
35	Machinery, except electrical	18,485	18,580	18,100	16,618	-0.5	+2.7	+11.2	18,455	19,733	16,626	16,593	174,279	169,988
351	Engines and turbines	1,290	1,354	1,332	1,207	-4.7	+1.7	+6.9	1,216	1,371	1,212	1,141	12,100	11,957
353	Construction, mining, and material handling equipment	2,249	2,329	2,305	1,985	-3.4	+1.0	+13.3	2,253	2,391	2,086	1,992	21,455	22,407
354	Metalworking machinery	722	756	699	769	-4.5	+8.2	-6.1	824	855	610	873	7,352	7,399
357	Office and computing machines	5,047	4,966	4,875	4,594	+1.6	+1.9	+9.9	4,689	5,791	4,409	4,263	44,870	44,222
36	Electrical machinery	19,118	19,321	19,133	17,679	-1.1	+1.0	+8.1	19,375	20,952	18,724	17,955	183,827	168,515
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,353	2,307	2,221	2,106	+2.0	+3.9	+11.7	2,328	2,557	2,159	2,080	22,349	21,058
363	Household appliances	1,535	1,507	1,560	1,559	+1.9	-3.4	-1.5	1,606	1,664	1,613	1,629	15,764	14,428
365	Radio and TV	1,143	1,199	1,102	1,162	-4.7	+8.8	-1.6	1,306	1,409	1,071	1,330	10,682	10,555
366	Communication equipment	6,205	6,454	6,332	5,975	-3.9	+1.9	+3.8	5,934	6,858	6,101	5,736	59,873	56,324
367	Electronic components	4,400	4,301	4,343	3,660	+2.3	-1.0	+20.2	4,378	4,544	4,349	3,645	41,190	36,659
364,9	Other electrical machinery	3,482	3,553	3,575	3,217	-2.0	-0.6	+8.2	3,823	3,920	3,431	3,535	33,969	29,491
37	Transportation equipment	27,449	27,667	25,288	26,648	-0.8	+9.4	+3.0	28,817	28,225	22,921	27,841	268,969	259,855
371	Motor vehicles and parts	17,487	16,788	15,828	16,239	+4.2	+6.1	+7.7	18,745	17,076	13,737	17,342	169,386	163,825
372,6	Aircraft, missiles, and parts	8,186	9,007	7,687	8,644	-9.1	+17.2	-5.3	8,303	9,279	7,415	8,739	82,118	79,102
3731,95	Shipbuilding and military tank vehicles	750	823	820	856	-8.9	+0.4	-12.4	750	823	820	856	7,914	8,688
38	Instruments and related products	5,444	5,458	5,250	5,285	-0.3	+4.0	+3.0	5,513	5,791	5,150	5,356	52,319	50,352
381-4	Scientific and engineering instruments	3,676	3,675	3,528	3,461	0.0	+4.2	+6.2	3,654	3,851	3,504	3,438	34,981	33,738
386	Photographic goods	1,590	1,612	1,559	1,645	-1.4	+3.4	-3.3	1,662	1,761	1,483	1,721	15,662	14,779
24,25, 39	All other durable goods	11,279	11,298	11,251	10,257	-0.2	+0.4	+10.0	12,118	12,154	11,786	11,016	112,395	101,663
	Nondurable goods industries	97,906	97,299	96,269	88,713	+0.6	+1.1	+10.4	100,010	103,012	97,077	90,730	951,036	893,809
	With unfilled orders	25,415	24,819	24,785	23,206	+2.4	+0.1	+9.5	26,336	26,213	25,183	24,093	244,662	223,232
20	Food and kindred products	28,561	28,405	27,943	26,925	+0.5	+1.7	+6.1	29,210	30,332	27,752	27,534	277,585	260,785
202	Dairy products	4,030	4,025	3,997	3,634	+0.1	+0.7	+10.9	3,961	4,071	4,006	3,574	39,475	35,049
208	Beverages	3,574	3,615	3,595	3,676	-1.1	+0.6	-2.8	3,635	3,727	3,869	3,734	36,579	37,164
203-6,9	All other foods	13,044	12,735	12,712	12,052	+2.4	+0.2	+8.2	13,488	14,301	12,020	12,468	124,552	117,874
21	Tobacco products	1,291	1,954	1,486	1,181	-33.9	+31.5	+9.3	1,291	1,954	1,486	1,181	14,576	14,377
22	Textile mill products	4,838	4,818	4,816	4,659	+0.4	0.0	+3.8	5,160	5,255	5,012	4,973	47,461	45,664
221-4,6, 8,9	Broadwoven fabrics	3,020	2,992	2,984	2,838	+0.9	+0.3	+6.4	3,117	3,266	3,012	2,924	28,900	28,096
26	Paper and allied products	10,415	10,200	9,950	9,060	+2.1	+2.5	+15.0	10,374	10,435	10,094	9,034	98,655	86,201
261-3,6	Pulp, paper etc.	4,551	4,409	4,314	3,949	+3.2	+2.2	+15.2	4,447	4,435	4,371	3,863	42,343	36,176
265	Paperboard containers	2,219	2,231	2,142	1,863	-0.5	+4.2	+19.1	2,303	2,316	2,193	1,939	21,435	18,795
264	All other paper products	3,645	3,560	3,494	3,248	+2.4	+1.9	+12.2	3,624	3,684	3,530	3,232	34,877	31,230
28	Chemicals and allied products	18,452	18,202	18,048	16,487	+1.4	+0.9	+11.9	17,892	19,262	17,769	15,996	178,723	166,214
281,6	Industrial chemicals, except pigments	5,484	5,339	5,262	4,697	+2.7	+1.5	+16.8	5,314	5,388	5,116	4,548	52,236	47,185
283,4	Drugs, soaps, and toiletries	6,188	6,217	6,086	5,927	-0.5	+2.2	+4.4	6,089	7,289	6,156	5,826	60,415	57,479
282,9	Other chemical products	4,451	4,421	4,485	3,833	+0.7	-1.4	+16.1	4,429	4,549	4,460	3,814	42,940	38,570
29	Petroleum and coal products	11,329	11,158	11,483	9,281	+1.5	-2.8	+22.1	11,415	11,346	11,628	9,375	107,961	109,975
30	Rubber and plastics products	6,657	6,505	6,392	6,033	+2.3	+1.8	+10.3	7,080	6,868	6,330	6,407	65,759	60,591
23,27, 31	All other nondurable goods	16,363	16,057	16,151	15,087	+1.9	-0.6	+8.5	17,588	17,560	17,006	16,230	160,316	150,002
	Market categories:													
	Home goods and apparel	13,790	13,795	13,683	12,740	0.0	+0.8	+8.2	15,114	15,686	14,874	13,980	137,049	128,709
	Consumer staples	40,310	40,602	39,754	38,083	-0.7	+2.1	+5.8	41,088	43,774	39,552	38,824	393,865	370,167
	Equipment and defense products, except automotive	32,778	33,531	32,349	30,903	-2.2	+3.7	+6.1	32,675	35,600	30,872	30,804	314,539	304,287
	Automotive equipment	19,657	18,851	17,806	18,245	+4.3	+5.9	+7.7	21,037	19,226	15,766	19,461	190,036	183,035
	Construction materials, supplies and intermediate products	16,275	16,115	15,732	15,230	+1.0	+2.4	+6.9	17,242	17,376	16,453	16,127	162,425	151,794
	Other materials, supplies, and intermediate products	83,256	82,838	81,080	74,521	+0.5	+2.2	+11.7	84,509	85,352	80,145	75,778	800,196	755,540
	Supplementary series:[2]													
	Capital goods industries	37,938	39,233	37,289	36,094	-3.3	+5.2	+5.1	37,928	41,728	35,414	36,112	364,017	348,558
	Nondefense	28,822	29,709	28,494	26,933	-3.0	+4.3	+7.0	28,811	31,947	26,867	26,955	274,559	262,950
	Defense	9,116	9,524	8,795	9,161	-4.3	+8.3	-0.5	9,117	9,781	8,547	9,157	89,458	85,608
	Household durable goods industries	6,451	6,407	6,376	6,112	+0.7	+0.5	+5.5	7,076	7,361	6,610	6,706	63,661	59,836

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]	Sep.-Oct.[p]	Aug.-Sep.[r]	Oct.-87/86	Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986	1987[p]	1966
	All manufacturing industries	208,917	206,720	203,157	188,843	+1.1	+1.8	+10.6	212,679	216,845	198,349	192,845	2,020,227	1,891,729
	Manufacturing industries with unfilled orders	115,918	114,555	112,371	104,350	+1.2	+1.9	+11.1	117,110	119,754	108,383	106,009	1,109,683	1,031,740
	Durable goods industries	110,836	109,346	106,678	99,978	+1.4	+2.5	+10.9	112,683	113,844	101,163	102,107	1,066,273	997,335
	With unfilled orders	90,328	89,661	87,376	80,992	+0.7	+2.6	+11.5	90,788	93,552	83,091	81,908	862,103	807,923
32	Stone, clay, and glass products	5,362	5,135	4,978	4,758	+4.4	+3.2	+12.7	5,614	5,556	5,167	4,979	51,382	47,940
33	Primary metals	10,392	10,735	9,461	8,250	-3.2	+13.5	+26.0	10,224	10,293	9,428	8,218	94,374	85,712
331	Blast furnaces, steel mills	4,247	4,697	4,159	3,187	-9.6	+12.9	+33.3	4,201	4,178	4,220	3,215	40,825	36,398
332	Iron and steel foundries	833	944	827	991	-11.8	+14.1	-15.9	880	933	808	1,040	8,264	9,033
333-9	Nonferrous and other primary metals	5,312	5,094	4,475	4,072	+4.3	+13.8	+30.5	5,143	5,182	4,400	3,963	45,285	40,281
34	Fabricated metal products	11,169	11,200	11,014	11,147	-0.3	+1.7	+0.2	11,422	11,562	11,127	11,440	113,462	113,461
35	Machinery, except electrical	18,827	18,806	18,412	16,033	+0.1	+2.1	+17.4	18,602	19,520	17,076	15,826	177,197	165,412
351	Engines and turbines	1,270	1,520	1,368	1,092	-16.4	+11.1	+16.3	1,259	1,565	1,407	1,084	12,702	11,563
353	Construction, mining, and material handling equipment	2,306	2,294	2,329	1,928	+0.5	-1.5	+19.6	2,312	2,362	2,047	1,936	21,629	20,968
354	Metalworking machinery	701	803	697	712	-12.7	+15.2	-1.5	713	891	659	736	7,380	7,110
357	Office and computing machines	5,174	4,903	4,857	4,311	+5.5	+0.9	+20.0	4,685	5,315	4,338	3,861	45,269	42,474
36	Electrical machinery	19,847	19,994	19,234	18,133	-0.7	+4.0	+9.5	19,830	21,837	18,248	18,078	185,690	171,498
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,431	2,417	2,348	2,193	+0.6	+2.9	+10.9	2,382	2,653	2,284	2,138	22,641	20,849
363	Household appliances	1,522	1,499	1,575	1,543	+1.5	-4.8	-1.4	1,566	1,653	1,620	1,571	15,689	14,418
365	Radio and TV	1,142	1,237	1,223	1,150	-7.7	+1.1	-0.7	1,305	1,447	1,192	1,318	10,768	10,612
366	Communication equipment	6,600	6,709	5,824	6,591	-1.6	+15.2	+0.1	6,242	7,651	5,380	6,178	59,910	60,457
367	Electronic components	4,670	4,561	4,662	3,473	+2.4	-2.2	+34.5	4,519	4,484	4,309	3,378	42,607	35,421
364,9	Other electrical machinery	3,482	3,571	3,602	3,183	-2.5	-0.9	+9.4	3,816	3,949	3,463	3,495	34,075	29,741
37	Transportation equipment	28,484	26,494	27,087	26,307	+7.5	-2.2	+8.3	29,504	27,017	23,189	27,521	277,056	260,702
372,6	Aircraft, missiles, and parts	9,846	8,680	9,404	8,404	+13.4	-7.7	+17.2	9,587	8,640	8,187	8,428	89,359	79,992
3731,95	Shipbuilding and military tank vehicles	286	16	962	457	+1687.5	-98.3	-37.4	284	341	393	515	8,488	8,822
38	Instruments and related products	5,234	5,604	5,227	5,257	-6.6	+7.2	-0.4	5,255	5,941	5,138	5,298	53,018	50,317
381-4	Scientific and engineering instruments	3,546	3,732	3,575	3,481	-5.0	+4.4	+1.9	3,524	3,908	3,551	3,458	35,408	33,731
24,25, 39	All other durable goods	11,521	11,378	11,265	10,093	+1.3	+1.0	+14.1	12,232	12,118	11,790	10,747	114,094	102,293
	Nondurable goods industries	98,081	97,374	96,479	88,865	+0.7	+0.9	+10.4	99,996	103,001	97,186	90,738	953,954	894,394
	With unfilled orders	25,590	24,894	24,995	23,358	+2.8	-0.4	+9.6	26,322	26,202	25,292	24,101	247,580	223,817
	Market categories:													
	Home goods and apparel	13,810	13,832	13,734	12,565	-0.2	+0.7	+9.9	14,970	15,598	14,928	13,666	138,465	129,379
	Consumer staples	40,280	40,587	39,739	38,064	-0.8	+2.1	+5.8	41,060	43,765	39,555	38,807	393,733	370,119
	Equipment and defense products, except automotive	33,818	33,414	33,873	30,473	+1.2	-1.4	+11.0	32,853	35,532	30,636	29,842	322,601	303,130
	Automotive equipment	19,491	18,856	17,763	18,538	+3.4	+6.2	+5.1	20,901	19,183	15,706	19,788	190,144	182,921
	Construction materials, supplies and intermediate products	16,316	16,023	15,828	15,153	+1.8	+1.2	+7.7	17,035	17,192	16,541	15,818	162,257	151,412
	Other materials, supplies, and intermediate products	85,202	84,008	82,220	74,050	+1.4	+2.2	+15.1	85,860	85,575	80,983	74,924	813,027	754,768
	Supplementary series:[2]													
	Capital goods industries	39,994	38,866	39,061	35,394	+2.9	-0.5	+13.0	39,298	41,460	35,622	35,019	375,892	348,721
	Nondefense	30,147	29,753	29,540	27,565	+1.3	+0.7	+9.4	29,915	31,539	28,076	27,381	288,805	260,982
	Defense	9,847	9,113	9,521	7,829	+8.1	-4.3	+25.8	9,383	9,921	7,546	7,638	87,087	87,739
	Household durable goods industries	6,403	6,402	6,398	5,950	0.0	+0.1	+7.6	6,938	7,256	6,648	6,450	64,533	60,443

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]	Sep.-Oct.[p]	Aug.-Sep.[r]	Oct.-87/86	Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986
	All manufacturing industries	398,478	395,627	394,640	373,584	+0.7	+0.3	+6.7	392,527	391,513	391,682	368,124
	Durable goods industries	384,527	381,851	380,939	362,622	+0.7	+0.2	+6.0	378,735	377,707	377,865	357,286
32	Stone, clay, and glass products	2,642	2,649	2,612	2,629	-0.3	+1.4	+0.5	2,527	2,604	2,620	2,516
33	Primary metals	21,346	20,992	20,207	16,476	+1.7	+3.9	+29.6	20,076	19,989	19,701	15,524
331	Blast furnaces, steel mills	11,386	11,632	11,288	8,582	-2.1	+3.0	+32.7	10,521	10,804	10,897	7,936
332	Iron and steel foundries	2,888	2,883	2,751	2,767	+0.2	+4.8	+4.4	2,865	2,864	2,723	2,745
333-9	Nonferrous and other primary metals	7,072	6,477	6,168	5,127	+9.2	+5.0	+37.9	6,690	6,321	6,081	4,843
34	Fabricated metal products	19,449	19,258	19,119	18,534	+1.0	+0.7	+4.9	19,184	19,311	19,319	18,278
35	Machinery, except electrical	57,834	57,492	57,266	56,525	+0.6	+0.4	+2.3	57,476	57,329	57,542	56,185
351	Engines and turbines	14,939	14,959	14,793	15,838	-0.1	+1.1	-5.7	15,107	15,064	14,870	15,997
353	Construction, mining, and material handling equipment	4,568	4,511	4,546	4,277	+1.3	-0.8	+6.8	4,509	4,450	4,479	4,224
354	Metalworking machinery	3,037	3,058	3,011	3,249	-0.7	+1.6	-6.5	3,083	3,194	3,158	3,299
357	Office and computing machines	19,322	19,195	19,258	19,068	+0.7	-0.3	+1.3	19,032	19,036	19,512	18,793
36	Electrical machinery	94,924	94,195	93,522	93,870	+0.8	+0.7	+1.1	94,433	93,978	93,093	93,366
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,647	5,569	5,459	5,589	+1.4	+2.0	+1.0	5,620	5,566	5,470	5,559
363	Household appliances	204	217	225	363	-6.0	-3.6	-43.8	188	228	239	334
365	Radio and TV	449	450	412	492	-0.2	+9.2	-8.7	449	450	412	492
366	Communication equipment	69,531	69,136	68,881	70,169	+0.6	+0.4	-0.9	69,323	69,015	68,222	69,922
367	Electronic components	17,325	17,055	16,795	15,468	+1.6	+1.5	+12.0	17,048	16,907	16,967	15,233
364,9	Other electrical machinery	1,768	1,768	1,750	1,789	0.0	+1.0	-1.2	1,805	1,812	1,783	1,826
37	Transportation equipment	173,250	172,215	173,389	161,313	+0.6	-0.7	+7.4	169,876	169,189	170,397	158,076
372,6	Aircraft, missiles, and parts	149,067	147,407	147,734	136,998	+1.1	-0.2	+8.8	145,967	144,683	145,322	134,061
3731,95	Shipbuilding and military tank vehicles	18,079	18,543	19,351	18,275	-2.5	-4.2	-1.1	17,920	18,386	18,868	18,093
38	Instruments and related products	8,878	9,088	8,942	8,439	-2.3	+1.6	+5.2	8,874	9,132	8,982	8,437
381-4	Scientific and engineering instruments	7,831	7,961	7,904	7,579	-1.6	+0.7	+3.3	7,831	7,961	7,904	7,579
24,25, 39	All other durable goods	6,204	5,962	5,882	4,836	+4.1	+1.4	+28.3	6,289	6,175	6,211	4,904
	Nondurable goods industries	13,951	13,776	13,701	10,962	+1.3	+0.5	+27.3	13,792	13,806	13,817	10,838
	Market categories:											
	Home goods and apparel	4,825	4,805	4,768	4,001	+0.4	+0.8	+20.6	4,748	4,892	4,980	3,933
	Consumer staples	630	660	675	711	-4.5	-2.2	-11.4	631	659	668	713
	Equipment and defense products, except automotive	249,971	248,931	249,049	239,326	+0.4	0.0	+4.4	246,049	245,871	245,939	235,515
	Automotive equipment	5,727	5,893	5,888	5,735	-2.8	+0.1	-0.1	5,612	5,748	5,791	5,617
	Construction materials, supplies and intermediate products	10,095	10,054	10,146	10,249	+0.4	-0.9	-1.5	9,920	10,127	10,311	10,079
	Other materials, supplies, and intermediate products	127,230	125,284	124,114	113,562	+1.6	+0.9	+12.0	125,567	124,216	123,993	112,267
	Supplementary series:[2]											
	Capital goods industries	304,977	302,921	303,289	291,648	+0.7	-0.1	+4.6	301,189	299,819	300,087	287,976
	Nondefense	141,587	140,262	140,218	127,062	+0.9	0.0	+11.4	141,266	140,162	140,570	126,756
	Defense	163,390	162,659	163,071	164,586	+0.4	-0.3	-0.7	159,923	159,657	159,517	161,220
	Household durable goods industries	3,862	3,910	3,915	3,432	-1.2	-0.1	+12.5	3,832	3,970	4,075	3,394

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]	Sep.-Oct.[p]	Aug.-Sep.[r]	Oct.-87/86	Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986
	All manufacturing industries	328,463	326,670	325,394	318,276	+0.5	+0.4	+3.2	328,405	325,852	326,648	318,267
	Manufacturing industries with unfilled orders	222,866	221,160	220,521	217,925	+0.8	+0.3	+2.3	222,751	221,348	222,380	217,783
	Durable goods industries	213,355	211,680	210,921	209,033	+0.8	+0.4	+2.1	213,161	211,586	212,106	208,819
	With unfilled orders	195,833	194,163	193,677	192,575	+0.9	+0.3	+1.7	196,059	194,432	195,176	192,748
32	Stone, clay, and glass products	7,083	7,029	7,055	6,889	+0.8	-0.4	+2.8	6,844	6,866	7,025	6,657
33	Primary metals	16,946	16,667	16,466	16,922	+1.7	+1.2	+0.1	16,911	16,761	16,581	16,884
331	Blast furnaces, steel mills	7,727	7,514	7,407	7,630	+2.8	+1.4	+1.3	7,835	7,658	7,557	7,734
332	Iron and steel foundries	1,206	1,193	1,189	1,123	+1.1	+0.3	+7.4	1,167	1,171	1,150	1,087
333-9	Nonferrous and other primary metals	8,013	7,960	7,870	8,169	+0.7	+1.1	-1.9	7,909	7,932	7,874	8,063
34	Fabricated metal products	21,879	21,747	21,501	21,375	+0.6	+1.1	+2.4	21,575	21,536	21,396	21,079
35	Machinery, except electrical	40,858	40,512	40,879	42,308	+0.9	-0.9	-3.4	40,788	40,285	41,146	42,243
351	Engines and turbines	2,803	2,815	2,771	2,819	-0.4	+1.6	-0.6	2,870	2,822	2,841	2,889
353	Construction, mining, and material handling equipment	6,415	6,405	6,594	7,146	+0.2	-2.9	-10.2	6,421	6,384	6,607	7,153
354	Metalworking machinery	2,977	2,981	2,968	2,925	-0.1	+0.4	+1.8	2,944	2,958	3,007	2,896
357	Office and computing machines	9,582	9,523	9,654	10,215	+0.6	-1.4	-6.2	9,678	9,475	9,885	10,309
36	Electrical machinery	39,753	39,579	39,384	39,380	+0.4	+0.5	+0.9	39,666	39,491	39,694	39,289
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,785	4,801	4,844	4,949	-0.3	-0.9	-3.3	4,783	4,799	4,885	4,949
363	Household appliances	2,798	2,732	2,608	2,756	+2.4	+4.8	+1.5	2,655	2,576	2,531	2,616
365	Radio and TV	1,655	1,628	1,686	1,601	+1.7	-3.4	+3.4	1,660	1,682	1,800	1,606
366	Communication equipment	16,737	16,691	16,589	16,454	+0.3	+0.6	+1.7	16,790	16,683	16,651	16,504
367	Electronic components	8,174	8,098	7,986	7,756	+0.9	+1.4	+5.4	8,174	8,083	8,074	7,748
364,9	Other electrical machinery	5,604	5,629	5,671	5,864	-0.4	-0.7	-4.4	5,604	5,668	5,753	5,866
37	Transportation equipment	56,785	55,987	55,582	53,330	+1.4	+0.7	+6.5	57,554	56,607	56,078	54,032
371	Motor vehicles and parts	11,225	11,324	10,961	10,985	-0.9	+3.3	+2.2	11,411	11,426	10,983	11,162
372,6	Aircraft, missiles, and parts	41,568	40,740	40,671	38,758	+2.0	+0.2	+7.3	42,142	41,264	41,184	39,263
3731,95	Shipbuilding and military tank vehicles	2,197	2,150	2,137	1,922	+2.2	+0.6	+14.3	2,238	2,171	2,148	1,969
38	Instruments and related products	12,587	12,675	12,561	12,655	-0.7	+0.9	-0.5	12,596	12,675	12,711	12,670
381-4	Scientific and engineering instruments	9,026	9,093	8,968	9,197	-0.7	+1.4	-1.9	9,044	9,093	9,005	9,216
386	Photographic goods	2,887	2,904	2,914	2,879	-0.6	-0.3	+0.3	2,904	2,902	3,011	2,897
24,25, 39	All other durable goods	17,464	17,484	17,493	16,174	-0.1	-0.1	+8.0	17,227	17,365	17,475	15,965
	Nondurable goods industries	115,108	114,990	114,473	109,243	+0.1	+0.5	+5.4	115,244	114,266	114,542	109,448
	With unfilled orders	27,033	26,997	26,844	25,350	+0.1	+0.6	+6.6	26,692	26,916	27,204	25,035
20	Food and kindred products	24,435	24,645	24,091	23,627	-0.9	+2.3	+3.4	25,535	24,829	24,268	24,682
202	Dairy products	2,325	2,351	2,340	1,955	-1.1	+0.5	+18.9	2,313	2,333	2,371	1,946
208	Beverages	4,385	4,484	4,376	4,695	-2.2	+2.5	-6.6	4,284	4,359	4,273	4,585
203-6,9	All other foods	14,214	14,150	14,173	13,860	+0.5	-0.2	+2.6	15,394	14,855	14,636	15,011
21	Tobacco products	5,611	5,744	5,903	5,481	-2.3	-2.7	+2.4	5,718	5,610	5,462	5,584
22	Textile mill products	6,989	6,896	6,957	6,516	+1.3	-0.9	+7.3	6,848	6,793	6,959	6,384
221-4,6, 8,9	Broadwoven fabrics	3,896	3,850	3,938	3,696	+1.2	-2.2	+5.4	3,830	3,779	3,920	3,635
26	Paper and allied products	10,990	11,052	11,021	10,276	-0.6	+0.3	+6.9	10,794	10,847	10,942	10,100
261-3,6	Pulp, paper etc.	4,117	4,159	4,173	4,008	-1.0	-0.3	+2.7	4,040	4,072	4,127	3,936
265	Paperboard containers	2,863	2,834	2,811	2,542	+1.0	+0.8	+12.6	2,789	2,795	2,806	2,476
264	All other paper products	4,010	4,059	4,037	3,726	-1.2	+0.5	+7.6	3,965	3,980	4,009	3,688
28	Chemicals and allied products	27,112	26,999	26,847	26,162	+0.4	+0.6	+3.6	26,971	26,616	26,786	26,043
281,6	Industrial chemicals, except pigments	7,958	7,982	7,967	7,875	-0.3	+0.2	+1.1	7,958	7,982	7,967	7,875
283,4	Drugs, soaps, and toiletries	8,847	8,834	8,811	8,443	+0.1	+0.3	+4.8	8,829	8,640	8,871	8,425
282,9	Other chemical products	6,500	6,449	6,394	5,919	+0.8	+0.9	+9.8	6,396	6,370	6,392	5,832
29	Petroleum and coal products	10,809	10,769	11,030	10,018	+0.4	-2.4	+7.9	10,958	10,773	10,996	10,176
30	Rubber and plastics products	9,121	9,069	9,104	8,443	+0.6	-0.4	+8.0	8,793	8,881	9,036	8,145
23,27, 31	All other nondurable goods	20,041	19,816	19,520	18,720	+1.1	+1.5	+7.1	19,627	19,917	20,093	18,334
	Market categories:											
	Home goods and apparel	26,511	26,129	25,825	24,675	+1.5	+1.2	+7.4	25,814	25,836	26,218	24,023
	Consumer staples	41,920	42,142	42,136	40,806	-0.5	0.0	+2.7	43,013	42,341	42,209	41,859
	Equipment and defense products, except automotive	94,194	93,339	93,326	93,829	+0.9	0.0	+0.4	94,518	93,237	93,715	94,128
	Automotive equipment	13,701	13,773	13,458	13,352	-0.5	+2.3	+2.6	13,777	13,785	13,387	13,422
	Construction materials, supplies and intermediate products	23,639	23,547	23,459	22,221	+0.4	+0.4	+6.4	23,166	23,268	23,309	21,784
	Other materials, supplies, and intermediate products	128,498	127,740	127,190	123,393	+0.6	+0.4	+4.1	128,117	127,385	127,810	123,051
	Supplementary series:[2]											
	Capital goods industries	109,179	108,078	108,380	107,754	+1.0	-0.3	+1.3	109,843	108,415	109,329	108,357
	Nondefense	72,256	71,767	72,315	73,272	+0.7	-0.8	-1.4	72,805	71,838	72,893	73,794
	Defense	36,923	36,311	36,065	34,482	+1.7	+0.7	+7.1	37,038	36,577	36,436	34,562
	Household durable goods industries	13,379	13,241	13,137	12,635	+1.0	+0.8	+5.9	13,125	13,082	13,357	12,390

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]	Sep.-Oct.[p]	Aug.-Sep.[r]	Oct.-87/86	Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	104,583	104,842	103,930	101,147	-0.2	+0.9	+3.4	104,475	104,338	103,674	101,149
	Durable goods industries	59,570	59,554	59,328	58,966	0.0	+0.4	+1.0	59,779	59,721	59,627	59,250
32	Stone, clay, and glass products	2,173	2,169	2,222	2,212	+0.2	-2.4	-1.8	2,180	2,177	2,229	2,219
33	Primary metals	5,161	5,117	5,108	5,481	+0.9	+0.2	-5.8	5,354	5,203	5,167	5,675
34	Fabricated metal products	7,350	7,428	7,232	7,367	-1.1	+2.7	-0.2	7,296	7,439	7,281	7,312
35	Machinery, except electrical	11,837	11,670	11,672	11,606	+1.4	0.0	+2.0	11,821	11,678	11,714	11,578
36	Electrical machinery	10,456	10,458	10,512	10,286	0.0	-0.5	+1.7	10,321	10,406	10,594	10,151
37	Transportation equipment	11,912	11,976	11,721	11,925	-0.5	+2.2	-0.1	11,952	11,987	11,746	12,032
38	Instruments and related products	4,242	4,278	4,263	3,968	-0.8	+0.4	+6.9	4,253	4,290	4,292	4,003
24,25, 39	All other durable goods	6,439	6,458	6,598	6,121	-0.3	-2.1	+5.2	6,602	6,541	6,604	6,280
	Nondurable goods industries	45,013	45,288	44,602	42,181	-0.6	+1.5	+6.7	44,696	44,617	44,047	41,899
20	Food and kindred products	9,147	9,535	9,017	8,761	-4.1	+5.7	+4.4	9,244	8,999	8,642	8,847
21	Tobacco products	4,524	4,737	4,856	4,280	-4.5	-2.5	+5.7	4,525	4,650	4,486	4,274
22	Textile mill products	1,962	1,944	1,890	1,774	+0.9	+2.9	+10.6	1,876	1,896	1,890	1,697
26	Paper and allied products	5,860	5,874	5,801	5,267	-0.2	+1.3	+11.3	5,784	5,824	5,744	5,205
28	Chemicals and allied products	9,097	9,070	8,954	9,046	+0.3	+1.3	+0.6	9,053	9,056	9,012	9,002
29	Petroleum and coal products	3,214	3,213	3,190	3,100	0.0	+0.7	+3.7	3,213	3,194	3,165	3,103
30	Rubber and plastics products	3,555	3,450	3,474	3,158	+3.0	-0.7	+12.6	3,452	3,414	3,445	3,068
23,27, 31	All other nondurable goods	7,654	7,465	7,420	6,795	+2.5	+0.6	+12.6	7,549	7,584	7,663	6,703
	WORK IN PROCESS											
	All manufacturing industries	117,857	117,055	116,091	114,164	+0.7	+0.8	+3.2	118,805	117,850	117,132	114,962
	Durable goods industries	99,288	98,623	97,706	96,892	+0.7	+0.9	+2.5	100,228	99,392	98,677	97,669
32	Stone, clay, and glass products	1,050	1,028	1,013	971	+2.1	+1.5	+8.1	1,024	1,012	1,017	945
33	Primary metals	6,669	6,553	6,444	6,466	+1.8	+1.7	+3.1	6,638	6,617	6,537	6,430
34	Fabricated metal products	7,774	7,601	7,505	7,393	+2.3	+1.3	+5.2	7,755	7,658	7,481	7,378
35	Machinery, except electrical	16,740	16,902	16,563	17,718	-1.0	+2.0	-5.5	16,801	16,897	16,755	17,803
36	Electrical machinery	20,329	20,405	20,222	20,441	-0.4	+0.9	-0.5	20,573	20,447	20,400	20,680
37	Transportation equipment	38,430	37,757	37,664	35,452	+1.8	+0.2	+8.4	39,137	38,360	38,122	35,992
38	Instruments and related products	4,735	4,801	4,704	5,054	-1.4	+2.1	-6.3	4,749	4,811	4,754	5,059
24,25, 39	All other durable goods	3,561	3,576	3,591	3,397	-0.4	-0.4	+4.8	3,551	3,590	3,611	3,382
	Nondurable goods industries	18,569	18,432	18,385	17,272	+0.7	+0.3	+7.5	18,577	18,458	18,455	17,293
20	Food and kindred products	2,508	2,471	2,479	2,492	+1.5	-0.3	+0.6	2,520	2,444	2,466	2,497
21	Tobacco products	238	167	116	259	+42.5	+44.0	-8.1	240	167	116	265
22	Textile mill products	2,144	2,151	2,163	1,947	-0.3	-0.6	+10.1	2,152	2,132	2,150	1,954
26	Paper and allied products	1,229	1,242	1,251	1,208	-1.0	-0.7	+1.7	1,237	1,255	1,276	1,216
28	Chemicals and allied products	3,929	3,992	4,013	3,953	-1.6	-0.5	-0.6	3,985	4,090	4,055	4,011
29	Petroleum and coal products	2,566	2,362	2,431	2,033	+8.6	-2.8	+26.2	2,566	2,348	2,412	2,035
30	Rubber and plastics products	1,359	1,416	1,439	1,356	-4.0	-1.6	+0.2	1,360	1,422	1,439	1,360
23,27, 31	All other nondurable goods	4,596	4,631	4,493	4,024	-0.8	+3.1	+14.2	4,517	4,600	4,541	3,955
	FINISHED GOODS											
	All manufacturing industries	106,023	104,773	105,373	102,965	+1.2	-0.6	+3.0	105,125	103,664	105,842	102,156
	Durable goods industries	54,497	53,503	53,887	53,175	+1.9	-0.7	+2.5	53,154	52,473	53,802	51,900
32	Stone, clay, and glass products	3,860	3,832	3,820	3,706	+0.7	+0.3	+4.2	3,640	3,677	3,779	3,493
33	Primary metals	5,116	4,997	4,914	4,975	+2.4	+1.7	+2.8	4,919	4,941	4,877	4,779
34	Fabricated metal products	6,755	6,718	6,764	6,615	+0.6	-0.7	+2.1	6,524	6,439	6,634	6,389
35	Machinery, except electrical	12,281	11,940	12,644	12,984	+2.9	-5.6	-5.4	12,166	11,710	12,677	12,862
36	Electrical machinery	8,968	8,716	8,650	8,653	+2.9	+0.8	+3.6	8,772	8,638	8,700	8,458
37	Transportation equipment	6,443	6,254	6,197	5,953	+3.0	+0.9	+8.2	6,465	6,260	6,210	6,008
38	Instruments and related products	3,610	3,596	3,594	3,633	+0.4	+0.1	-0.6	3,594	3,574	3,665	3,608
24,25, 39	All other durable goods	7,464	7,450	7,304	6,656	+0.2	+2.0	+12.1	7,074	7,234	7,260	6,303
	Nondurable goods industries	51,526	51,270	51,486	49,790	+0.5	-0.4	+3.5	51,971	51,191	52,040	50,256
20	Food and kindred products	12,780	12,639	12,595	12,374	+1.1	+0.3	+3.3	13,771	13,386	13,160	13,538
21	Tobacco products	849	840	931	942	+1.1	-9.8	-9.9	953	793	860	1,045
22	Textile mill products	2,883	2,801	2,904	2,795	+2.9	-3.5	+3.1	2,820	2,765	2,919	2,733
26	Paper and allied products	3,901	3,936	3,969	3,801	-0.9	-0.8	+2.6	3,773	3,768	3,922	3,679
28	Chemicals and allied products	14,086	13,937	13,880	13,163	+1.1	+0.4	+7.0	13,933	13,470	13,719	13,030
29	Petroleum and coal products	5,029	5,194	5,409	4,885	-3.2	-4.0	+2.9	5,179	5,231	5,419	5,038
30	Rubber and plastics products	4,207	4,203	4,191	3,929	+0.1	+0.3	+7.1	3,981	4,045	4,152	3,717
23,27, 31	All other nondurable goods	7,791	7,720	7,607	7,901	+0.9	+1.5	-1.4	7,561	7,733	7,889	7,676

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]	Oct. 1987[p]	Sep. 1987[r]	Aug. 1987	Oct. 1986[r]
	All manufacturing industries	1.59	1.59	1.62	1.68	3.52	3.48	3.60	3.55
	Durable goods industries	1.97	1.95	2.03	2.07	4.39	4.30	4.49	4.42
32	Stone, clay, and glass products	1.32	1.38	1.45	1.44	0.54	0.57	0.59	0.60
33	Primary metals	1.69	1.68	1.77	2.01	2.13	2.11	2.18	1.96
34	Fabricated metal products	1.99	1.97	1.96	1.88	1.96	1.92	1.93	1.79
35	Machinery, except electrical	2.21	2.18	2.26	2.55	3.31	3.27	3.35	3.56
36	Electrical machinery	2.08	2.05	2.06	2.23	4.97	4.88	4.89	5.31
37	Transportation equipment	2.07	2.02	2.20	2.00	11.31	10.46	11.97	10.57
38	Instruments and related products	2.31	2.32	2.39	2.39	1.63	1.67	1.70	1.60
	Nondurable goods industries	1.18	1.18	1.19	1.23	0.55	0.56	0.55	0.47
20	Food and kindred products	0.86	0.87	0.86	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	4.35	2.94	3.97	4.64	(X)	(X)	(X)	(X)
22	Textile mill products	1.44	1.43	1.44	1.40	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.06	1.08	1.11	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.47	1.48	1.49	1.59	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.95	0.97	0.96	1.08	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.37	1.39	1.42	1.40	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Oct. 1986	All Octs. 1982-1986	Oct. 1986-Sept. 1987	Year ago Oct. 1986	All Octs. 1982-1986	Oct. 1986-Sept. 1987	Year ago Oct. 1986	All Octs. 1982-1986	Oct. 1986-Sept. 1987	Year ago Oct. 1986	All Octs. 1982-1986	Oct. 1986-Sept. 1987
	All manufacturing industries	0.3	0.2	0.3	0.1	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.4	0.4	0.3	0.4	0.4	0.4	0.1	0.1	0.1	0.0	0.1	0.2
32	Stone, clay, and glass products	0.6	1.5	1.1	1.4	1.7	1.2	1.4	0.8	0.9	0.1	0.4	0.4
33	Primary metals	0.8	0.3	0.7	0.8	0.4	0.8	0.0	0.1	0.3	0.5	0.4	0.3
34	Fabricated metal products	0.5	1.0	0.6	0.7	1.1	0.8	0.1	0.2	0.4	0.2	0.6	0.2
35	Machinery, except electrical	0.6	0.5	0.7	0.3	0.7	1.0	0.1	0.1	0.1	0.3	0.4	0.2
36	Electrical machinery	0.2	0.5	0.3	0.4	0.8	0.7	0.0	0.1	0.1	0.2	0.3	0.1
37	Transportation equipment	0.2	0.2	0.1	0.0	1.2	0.3	0.1	0.2	0.1	0.0	0.1	0.1
38	Instruments and related products	2.6	1.1	1.5	1.5	0.9	1.4	0.6	0.2	0.4	0.6	0.4	0.2
	Nondurable goods industries	0.1	0.1	0.3	0.1	0.1	0.3	0.8	0.6	0.4	0.1	0.2	0.2
20	Food and kindred products	0.0	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.6	0.3
21	Tobacco products	0.0	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.3
22	Textile mill products	0.8	0.7	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.8	1.4	0.5
26	Paper and allied products	0.8	0.8	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.4
28	Chemicals and allied product	0.9	1.0	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.2
29	Petroleum and coal products	0.0	0.5	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.6
30	Rubber and plastics products	0.3	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.4
	Capital goods industries:												
	Nondefense	0.2	0.4	0.6	0.2	0.6	0.7	0.0	0.2	0.1	0.2	0.1	0.1
	Defense	0.5	0.6	0.2	1.4	2.8	0.7	0.1	0.2	0.0	0.1	0.3	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

C 3.158:
M3-1 (87)-11

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

.S. Department of Commerce
UREAU OF THE CENSUS

November 1987
M3-(87)-11
For Wire Transmission 10 a.m. EST Thursday, December 31, 1987

(All Figures in text are in seasonally adjusted current dollars)

MMARY. New orders for manufactured goods in November creased $0.3 billion or 0.1 percent to $209.7 billion. A cline in the durable goods sector of $0.4 billion or 0.4 rcent to $110.7 billion was more than offset by an crease in nondurables of $0.7 billion or 0.7 percent to 9.0 billion.

ipments of manufactured goods in November increased $0.9 llion or 0.5 percent to $207.3 billion. The increase was the nondurable sector, up $1.0 billion or 1.0 percent to 9.2 billion; durables decreased $0.1 billion or 0.1 rcent to $108.2 billion.

filled orders for manufactured goods in November increased .3 billion or 0.6 percent to $401.0 billion. This is the rst time the $400 billion level has been reached, ntinuing the upward trend which began in March.

rrent cost inventories in November increased $2.5 billion 0.8 percent to $331.1 billion. This is the fifth nsecutive monthly increase in inventories and the largest nce the 0.8 percent increase in January. The inventory to ipments ratio for November was 1.60, up from 1.59 in tober.

W ORDERS. The decrease of 0.4 percent in new orders for rable goods in November resulted from a mixed pattern of ange within the specific industries. The largest decline s in nonelectrical machinery, down $1.3 billion or 6.8 rcent to $17.7 billion. The largest increases were in bricated metals products, up $0.3 billion or 3.0 percent $11.4 billion; electrical machinery, up $0.3 billion or percent to $20.3 billion; and transportation equipment, $0.2 billion or 0.7 percent to $28.8 billion. The crease in transportation equipment resulted from a large crease in shipbuilding and tanks more than offsetting clines in the other categories.

W orders for nondurables were up $0.7 billion or 0.7 rcent to $99.0 billion.

SHIPMENTS. Shipments of durable goods in November were down slightly from October, decreasing $0.1 billion or 0.1 percent to $108.2 billion. The largest declines were in nonelectrical machinery, down $0.8 billion or 4.3 percent to $17.7 billion and transportation equipment, down $0.2 billion or 0.6 percent to $27.3 billion.

Shipments of nondurables goods were up $1.0 billion or 1.0 percent to $99.2 billion. Excluding tobacco which is highly volatile, the increase was 0.4 percent.

UNFILLED ORDERS. Unfilled orders for durable goods in November increased $2.5 billion or 0.6 percent to $387.2 billion. Unfilled orders have been increasing since March, although the rate of increase has slowed the last four months.

Most of the November increase was in transportation equipment, up $1.5 billion or 0.9 percent to $174.8 billion, with both aircraft and parts and shipbuilding and tanks increasing. The only other large increase was in electrical machinery, up $0.9 billion or 1.0 percent to $96.0 billion.

INVENTORIES. Increases in inventories were widespread. Durable goods inventories increased $2.0 billion or 0.9 percent to $215.4 billion. The largest increases were in transportation equipment, up $0.8 billion or 1.3 percent to $57.6 billion, and nonelectrical machinery, up $0.4 billion or 0.9 percent to $41.3 billion. Inventories of nondurable goods increased $0.5 billion or 0.4 percent to $115.6 billion.

All stages of fabrication of inventories were up in November. Materials and supplies and finished goods were each up 0.6 percent, while work in process increased 1.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for January 26, 1988, at 8:30 a.m. and the full report on February 3, 1988 at 10:00.

SUPERENTENDENT OF DOCUMENTS
DEPOSITORY
FEB 11 1988
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

ddress inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, r call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
or sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the ata of issue through the Census Bureau's online information service—CENDATA™. The online version of the report can be read from a terminal creen, printed on— or off—line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) nd CompuServe (1-800- 848-8199). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the ureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, USD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1987P	Oct. 1987r	Sep. 1987	Nov. 1986r	Oct.-Nov.P	Sep.-Oct.r	Nov.-87/86	Nov. 1987P	Oct. 1987r	Sep. 1987	Nov. 1986	1987P	1986
	All manufacturing industries	207,333	206,390	205,732	190,159	+0.5	+0.3	+9.0	205,564	211,949	217,014	188,788	2,203,958	2,082,320
	Manufacturing industries with unfilled orders	113,534	113,287	113,567	105,749	+0.2	-0.2	+7.4	113,401	116,234	119,923	105,795	1,201,105	1,139,338
	Durable goods industries	108,165	108,245	108,433	100,009	-0.1	-0.2	+8.2	107,293	111,685	114,002	99,314	1,154,397	1,099,037
	With unfilled orders	88,002	87,819	88,748	82,299	+0.2	-1.0	+6.9	87,748	89,853	93,710	82,194	930,745	892,505
32	Stone, clay, and glass products	5,335	5,382	5,098	4,773	-0.9	+5.6	+11.8	5,215	5,699	5,572	4,666	56,508	52,638
33	Primary metals	10,492	10,113	9,950	8,160	+3.7	+1.6	+28.6	9,999	10,211	10,005	7,798	101,098	94,291
331	Blast furnaces, steel mills	4,748	4,510	4,353	3,344	+5.3	+3.6	+42.0	4,449	4,487	4,271	3,139	43,607	39,722
332	Iron and steel foundries	815	828	812	847	-1.6	+2.0	-3.8	808	880	792	839	8,884	9,489
333-9	Nonferrous and other primary metals	4,929	4,775	4,785	3,969	+3.2	-0.2	+24.2	4,742	4,844	4,942	3,820	48,607	45,080
34	Fabricated metal products	11,176	10,915	11,061	11,002	+2.4	-1.3	+1.6	11,011	11,449	11,570	10,834	123,886	125,719
35	Machinery, except electrical	17,746	18,540	18,580	16,786	-4.3	-0.2	+5.7	17,399	18,544	19,733	16,530	191,767	186,518
351	Engines and turbines	1,425	1,300	1,354	1,188	+9.6	-4.0	+19.9	1,371	1,216	1,371	1,138	13,471	13,095
353	Construction, mining, and material handling equipment	2,377	2,329	2,329	2,053	+2.1	0.0	+15.8	2,408	2,349	2,391	2,073	23,959	24,480
354	Metalworking machinery	821	735	756	765	+11.7	-2.8	+7.3	827	834	855	768	8,189	8,167
357	Office and computing machines	4,275	4,927	4,966	4,562	-13.2	-0.8	-6.3	4,536	4,643	5,791	4,875	49,360	49,097
36	Electrical machinery	19,377	19,163	19,321	17,909	+1.1	-0.8	+8.2	19,947	19,413	20,952	18,414	203,812	186,929
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,377	2,364	2,307	2,108	+0.5	+2.5	+12.8	2,353	2,330	2,557	2,084	24,704	23,142
363	Household appliances	1,551	1,542	1,507	1,517	+0.6	+2.3	+2.2	1,458	1,608	1,664	1,421	17,224	15,845
365	Radio and TV	1,197	1,126	1,199	1,136	+6.3	-6.1	+5.4	1,274	1,275	1,409	1,205	11,925	11,760
366	Communication equipment	6,129	6,183	6,454	6,158	-0.9	-4.2	-0.5	6,385	5,930	6,858	6,417	66,254	62,747
367	Electronic components	4,447	4,403	4,301	3,732	+1.0	+2.4	+19.2	4,500	4,383	4,544	3,768	45,695	40,423
364,9	Other electrical machinery	3,676	3,545	3,553	3,258	+3.7	-0.2	+12.8	3,977	3,887	3,920	3,519	38,010	33,010
37	Transportation equipment	27,305	27,480	27,667	25,934	-0.6	-0.7	+5.3	27,442	28,820	28,225	26,020	296,414	285,875
371	Motor vehicles and parts	17,293	17,491	16,788	15,434	-1.1	+4.2	+12.0	17,388	18,749	17,076	15,476	186,778	179,301
372,6	Aircraft, missiles, and parts	8,406	8,211	9,007	8,872	+2.4	-8.8	-5.3	8,439	8,301	9,279	8,908	90,555	88,010
3731,95	Shipbuilding and military tank vehicles	749	750	823	914	-0.1	-8.9	-18.1	749	750	823	914	8,663	9,602
38	Instruments and related products	5,347	5,418	5,458	5,121	-1.3	-0.7	+4.4	5,350	5,485	5,791	5,126	57,641	55,470
381-4	Scientific and engineering instruments	3,560	3,645	3,675	3,397	-2.3	-0.8	+4.8	3,439	3,625	3,851	3,283	38,391	37,02
386	Photographic goods	1,614	1,595	1,612	1,544	+1.2	-1.1	+4.5	1,737	1,663	1,761	1,662	17,400	16,44
24,25, 39	All other durable goods	11,387	11,234	11,298	10,324	+1.4	-0.6	+10.3	10,930	12,064	12,154	9,926	123,271	111,58
	Nondurable goods industries	99,168	98,145	97,299	90,150	+1.0	+0.9	+10.0	98,271	100,264	103,012	89,474	1,049,561	983,28
	With unfilled orders	25,532	25,468	24,819	23,450	+0.3	+2.6	+8.9	25,653	26,381	26,213	23,601	270,360	246,83
20	Food and kindred products	28,801	28,713	28,405	27,050	+0.3	+1.1	+6.5	28,693	29,384	30,332	26,911	306,452	287,69
202	Dairy products	4,011	4,037	4,025	3,699	-0.6	+0.3	+8.4	3,999	3,973	4,071	3,687	43,486	38,73
208	Beverages	3,654	3,646	3,615	3,589	+0.2	+0.9	+1.8	3,457	3,727	3,727	3,391	40,128	40,55
203-6,9	All other foods	13,282	13,121	12,735	12,158	+1.2	+3.0	+9.2	13,415	13,547	14,301	12,258	138,026	130,13
21	Tobacco products	1,884	1,291	1,954	1,544	+45.9	-33.9	+22.0	1,884	1,291	1,954	1,544	16,460	15,92
22	Textile mill products	4,912	4,793	4,818	4,630	+2.5	-0.5	+6.1	4,818	5,102	5,255	4,548	52,221	50,21
221-4,6, 8,9	Broadwoven fabrics	3,038	2,984	2,992	2,773	+1.8	-0.3	+9.6	2,916	3,071	3,266	2,668	31,770	30,76
26	Paper and allied products	10,444	10,408	10,200	9,125	+0.3	+2.0	+14.5	10,085	10,367	10,435	8,804	108,733	95,00
261-3,6	Pulp, paper etc	4,572	4,550	4,409	3,941	+0.5	+3.2	+16.0	4,477	4,449	4,435	3,858	46,822	40,03
265	Paperboard containers	2,235	2,206	2,231	1,903	+1.3	-1.1	+17.4	2,146	2,290	2,316	1,827	23,568	20,62
264	All other paper products	3,637	3,652	3,560	3,281	-0.4	+2.6	+10.9	3,462	3,628	3,684	3,119	38,343	34,34
28	Chemicals and allied products	18,906	18,519	18,202	16,632	+2.1	+1.7	+13.7	17,694	17,903	19,262	15,651	196,428	181,86
281,6	Industrial chemicals, except pigments	5,295	5,550	5,339	4,770	-4.6	+4.0	+11.0	5,131	5,356	5,388	4,623	57,409	51,80
283,4	Drugs, soaps, and toiletries	6,260	6,143	6,217	5,951	+1.9	-1.2	+5.2	5,884	6,043	7,289	5,606	66,253	63,08
282,9	Other chemical products	4,650	4,456	4,421	3,878	+4.4	+0.8	+19.9	4,506	4,426	4,549	3,755	47,443	42,32
29	Petroleum and coal products	11,194	11,312	11,158	9,689	-1.0	+1.4	+15.5	11,163	11,393	11,346	9,657	119,102	119,63
30	Rubber and plastics products	6,963	6,745	6,505	6,031	+3.2	+3.7	+15.5	6,949	7,179	6,868	6,016	72,807	66,60
23,27, 31	All other nondurable goods	16,064	16,364	16,057	15,449	-1.8	+1.9	+4.0	16,985	17,645	17,560	16,343	177,358	166,34
	Market categories:													
	Home goods and apparel	13,726	13,732	13,795	12,933	0.0	-0.5	+6.1	14,125	15,089	15,686	13,318	151,149	142,02
	Consumer staples	41,004	40,403	40,602	38,684	+1.5	-0.5	+6.0	41,019	41,186	43,774	38,683	434,982	408,85
	Equipment and defense products, except automotive	31,807	32,791	33,531	31,247	-3.0	-2.2	+1.8	31,760	32,744	35,600	31,291	346,368	335,57
	Automotive equipment	19,302	19,661	18,851	17,220	-1.8	+4.3	+12.1	19,346	21,041	19,226	17,209	209,386	200,24
	Construction materials, supplies and intermediate products	16,633	16,187	16,115	15,141	+2.8	+0.4	+9.9	15,953	17,119	17,376	14,533	178,255	166,32
	Other materials, supplies, and intermediate products	84,861	83,616	82,838	74,934	+1.5	+0.9	+13.2	83,361	84,770	85,352	73,754	883,818	829,29
	Supplementary series:[2]													
	Capital goods industries	37,514	38,123	39,233	36,681	-1.6	-2.8	+2.3	37,976	38,149	41,728	37,174	402,214	385,71
	Nondefense	28,359	28,989	29,709	26,953	-2.2	-2.4	+5.2	28,558	29,034	31,947	27,185	303,340	290,13
	Defense	9,155	9,134	9,524	9,728	+0.2	-4.1	-5.9	9,418	9,115	9,781	9,989	98,874	95,59
	Household durable goods industries	6,636	6,428	6,407	6,107	+3.2	+0.3	+8.7	6,670	7,009	7,361	6,134	70,264	65,9

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Nov. 1987[p]	Oct. 1987[r]	Sep. 1987	Nov. 1986[r]	Oct.-Nov.[p]	Sep.-Oct.[r]	Nov.-87/86	Nov. 1987[p]	Oct. 1987[r]	Sep. 1987	Nov. 1986	1987[p]	1986
	All manufacturing industries	209,664	209,393	206,719	190,153	+0.1	+1.3	+10.3	208,506	213,019	216,845	189,266	2,229,073	2,080,995
	Manufacturing industries with unfilled orders	115,865	116,290	114,554	105,743	-0.4	+1.5	+9.6	116,343	117,304	119,754	106,273	1,226,220	1,138,013
	Durable goods industries	110,651	111,089	109,345	99,979	-0.4	+1.6	+10.7	110,560	112,797	113,844	99,886	1,176,947	1,097,221
	With unfilled orders	90,488	90,663	89,660	82,269	-0.2	+1.1	+10.0	91,015	90,965	93,552	82,766	953,295	890,689
32	Stone, clay, and glass products	5,329	5,357	5,135	4,768	-0.5	+4.3	+11.8	5,179	5,612	5,556	4,639	56,559	52,579
33	Primary metals	10,566	10,437	10,735	8,144	+1.2	-2.8	+29.7	10,170	10,257	10,293	7,853	104,577	93,565
331	Blast furnaces, steel mills	5,000	4,278	4,697	3,333	+16.9	-8.9	+50.0	4,868	4,205	4,178	3,250	45,697	39,648
332	Iron and steel foundries	830	816	944	769	+1.7	-13.6	+7.9	781	874	933	733	9,039	9,766
333-9	Nonferrous and other primary metals	4,736	5,343	5,094	4,042	-11.4	+4.9	+17.2	4,521	5,178	5,182	3,870	49,841	44,151
34	Fabricated metal products	11,409	11,077	11,200	11,089	+3.0	-1.1	+2.9	11,178	11,307	11,562	10,865	124,525	124,326
35	Machinery, except electrical	17,664	18,947	18,806	16,847	-6.8	+0.7	+4.8	17,414	18,794	19,520	16,635	194,803	182,047
351	Engines and turbines	1,387	1,397	1,520	965	-0.7	-8.1	+43.7	1,358	1,389	1,565	921	14,190	12,484
353	Construction, mining, and material handling equipment	2,368	2,397	2,294	2,105	-1.2	+4.5	+12.5	2,439	2,424	2,362	2,163	24,180	23,131
354	Metalworking machinery	801	708	803	705	+13.1	-11.8	+13.6	799	718	891	702	8,184	7,812
357	Office and computing machines	4,116	5,053	4,903	4,798	-18.5	+3.1	-14.2	4,386	4,651	5,315	5,079	49,621	47,553
36	Electrical machinery	20,318	19,999	19,994	17,111	+1.6	0.0	+18.7	19,971	19,904	21,837	16,700	205,735	188,198
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,362	2,447	2,417	1,992	-3.5	+1.2	+18.6	2,318	2,392	2,653	1,951	24,969	22,800
363	Household appliances	1,537	1,528	1,499	1,487	+0.6	+1.9	+3.4	1,443	1,568	1,653	1,390	17,134	15,808
365	Radio and TV	1,195	1,106	1,237	1,087	+8.0	-10.6	+9.9	1,272	1,255	1,447	1,156	11,990	11,768
366	Communication equipment	6,746	6,656	6,709	5,787	+1.4	-0.8	+16.6	6,320	6,258	7,651	5,341	66,246	65,798
367	Electronic components	4,787	4,706	4,561	3,457	+1.7	+3.2	+38.5	4,649	4,547	4,484	3,332	47,284	38,753
364,9	Other electrical machinery	3,691	3,556	3,571	3,301	+3.8	-0.4	+11.8	3,969	3,884	3,949	3,530	38,112	33,271
37	Transportation equipment	28,786	28,573	26,493	26,755	+0.7	+7.9	+7.6	30,694	29,497	27,017	28,456	307,743	289,158
372,6	Aircraft, missiles, and parts	9,157	9,784	8,680	10,464	-6.4	+12.7	-12.5	10,577	9,580	8,640	11,861	99,929	91,853
3731,95	Shipbuilding and military tank vehicles	1,512	421	15	284	+259.1	+2706.7	+432.4	1,884	280	341	542	10,368	9,364
38	Instruments and related products	5,402	5,225	5,604	4,996	+3.4	-6.8	+8.1	5,348	5,243	5,941	4,954	58,354	55,271
381-4	Scientific and engineering instruments	3,688	3,530	3,732	3,279	+4.5	-5.4	+12.5	3,567	3,510	3,908	3,165	38,961	36,896
24,25, 39	All other durable goods	11,177	11,474	11,378	10,269	-2.6	+0.8	+8.8	10,606	12,183	12,118	9,784	124,651	112,077
	Nondurable goods industries	99,013	98,304	97,374	90,174	+0.7	+1.0	+9.8	97,946	100,222	103,001	89,380	1,052,126	983,774
	With unfilled orders	25,377	25,627	24,894	23,474	-1.0	+2.9	+8.1	25,328	26,339	26,202	23,507	272,925	247,324
	Market categories:													
	Home goods and apparel	13,550	13,776	13,832	12,750	-1.6	-0.4	+6.3	13,797	14,969	15,598	13,045	152,261	142,424
	Consumer staples	41,022	40,365	40,587	38,707	+1.6	-0.5	+6.0	41,032	41,144	43,765	38,691	434,849	408,810
	Equipment and defense products, except automotive	34,138	33,912	33,413	31,649	+0.7	+1.5	+7.9	35,152	32,920	35,532	32,581	357,820	335,711
	Automotive equipment	19,272	19,505	18,856	17,116	-1.2	+3.4	+12.6	19,328	20,904	19,183	17,101	209,475	200,022
	Construction materials, supplies and intermediate products	16,948	16,247	16,023	15,089	+4.3	+1.4	+12.3	16,199	16,936	17,192	14,416	178,357	165,828
	Other materials, supplies, and intermediate products	84,734	85,588	84,008	74,842	-1.0	+1.9	+13.2	82,998	86,146	85,575	73,432	896,311	828,200
	Supplementary series:[2]													
	Capital goods industries	39,623	40,411	38,865	37,299	-1.9	+4.0	+6.2	41,226	39,670	41,460	38,716	417,490	387,437
	Nondefense	29,667	30,410	29,753	27,268	-2.4	+2.2	+8.8	29,930	30,268	31,539	27,510	319,088	288,492
	Defense	9,956	10,001	9,112	10,031	-0.4	+9.8	-0.7	11,296	9,402	9,921	11,206	98,402	98,945
	Household durable goods industries	6,434	6,400	6,402	5,959	+0.5	0.0	+8.0	6,391	6,896	7,256	5,928	70,882	66,371

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Nov. 1987p	Oct. 1987r	Sep. 1987	Nov. 1986r	Oct.-Nov.p	Sep.-Oct.r	Nov.-87/86	Nov. 1987p	Oct. 1987r	Sep. 1987	Nov. 1986
	All manufacturing industries	400,961	398,630	395,627	373,554	+0.6	+0.8	+7.3	395,525	392,583	391,513	368,602
	Durable goods industries	387,181	384,695	381,851	362,568	+0.6	+0.7	+6.8	382,086	378,819	377,707	357,858
32	Stone, clay, and glass products	2,618	2,624	2,649	2,626	-0.2	-0.9	-0.3	2,481	2,517	2,604	2,489
33	Primary metals	21,390	21,316	20,992	16,461	+0.3	+1.5	+29.9	20,206	20,035	19,989	15,579
331	Blast furnaces, steel mills	11,652	11,400	11,632	8,570	+2.2	-2.0	+36.0	10,941	10,522	10,804	8,047
332	Iron and steel foundries	2,886	2,871	2,883	2,690	+0.5	-0.4	+7.3	2,831	2,858	2,864	2,639
333-9	Nonferrous and other primary metals	6,852	7,045	6,477	5,201	-2.7	+8.8	+31.7	6,434	6,655	6,321	4,893
34	Fabricated metal products	19,653	19,420	19,258	18,613	+1.2	+0.8	+5.6	19,336	19,169	19,311	18,309
35	Machinery, except electrical	57,817	57,899	57,492	56,575	-0.1	+0.7	+2.2	57,594	57,579	57,329	56,290
351	Engines and turbines	15,018	15,056	14,959	15,611	-0.3	+0.6	-3.8	15,224	15,237	15,064	15,780
353	Construction, mining, and material handling equipment	4,570	4,579	4,511	4,327	-0.2	+1.5	+5.6	4,556	4,525	4,450	4,314
354	Metalworking machinery	3,011	3,031	3,058	3,190	-0.7	-0.9	-5.6	3,050	3,078	3,194	3,233
357	Office and computing machines	19,162	19,321	19,195	19,302	-0.8	+0.7	-0.7	18,894	19,044	19,036	18,997
36	Electrical machinery	95,972	95,031	94,195	93,065	+1.0	+0.9	+3.1	94,493	94,469	93,978	91,652
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,637	5,652	5,569	5,472	-0.3	+1.5	+3.0	5,593	5,628	5,566	5,426
363	Household appliances	189	203	217	333	-6.9	-6.5	-43.2	173	188	228	303
365	Radio and TV	428	430	450	443	-0.5	-4.4	-3.4	428	430	450	443
366	Communication equipment	70,226	69,609	69,136	69,795	+0.9	+0.7	+0.6	69,278	69,343	69,015	68,846
367	Electronic components	17,698	17,358	17,055	15,191	+2.0	+1.8	+16.5	17,220	17,071	16,907	14,797
364,9	Other electrical machinery	1,794	1,779	1,768	1,831	+0.8	+0.6	-2.0	1,801	1,809	1,812	1,837
37	Transportation equipment	174,789	173,308	172,215	162,135	+0.9	+0.6	+7.8	173,118	169,866	169,189	160,512
372,6	Aircraft, missiles, and parts	149,731	148,980	147,407	138,590	+0.5	+1.1	+8.0	148,100	145,962	144,683	137,014
3731,95	Shipbuilding and military tank vehicles	18,977	18,214	18,543	17,646	+4.2	-1.8	+7.5	19,051	17,916	18,386	17,721
38	Instruments and related products	8,950	8,895	9,088	8,314	+0.6	-2.1	+7.6	8,888	8,890	9,132	8,265
381-4	Scientific and engineering instruments	7,974	7,846	7,961	7,461	+1.6	-1.4	+6.9	7,974	7,846	7,961	7,461
24,25, 39	All other durable goods	5,992	6,202	5,962	4,779	-3.4	+4.0	+25.4	5,970	6,294	6,175	4,762
	Nondurable goods industries	13,780	13,935	13,776	10,986	-1.1	+1.2	+25.4	13,439	13,764	13,806	10,744
	Market categories:											
	Home goods and apparel	4,673	4,849	4,805	3,818	-3.6	+0.9	+22.4	4,444	4,772	4,892	3,660
	Consumer staples	640	622	660	734	+2.9	-5.8	-12.8	630	617	659	721
	Equipment and defense products, except automotive	252,383	250,052	248,931	239,717	+0.9	+0.5	+5.3	249,439	246,047	245,871	236,805
	Automotive equipment	5,707	5,737	5,893	5,631	-0.5	-2.6	+1.3	5,593	5,611	5,748	5,509
	Construction materials, supplies and intermediate products	10,429	10,114	10,054	10,195	+3.1	+0.6	+2.3	10,190	9,944	10,127	9,962
	Other materials, supplies, and intermediate products	127,129	127,256	125,284	113,459	-0.1	+1.6	+12.0	125,229	125,592	124,216	111,945
	Supplementary series:[2]											
	Capital goods industries	307,318	305,209	302,921	292,252	+0.7	+0.8	+5.2	304,590	301,340	299,819	289,518
	Nondefense	142,991	141,683	140,262	127,365	+0.9	+1.0	+12.3	142,768	141,396	140,162	127,081
	Defense	164,327	163,526	162,659	164,887	+0.5	+0.5	-0.3	161,822	159,944	159,657	162,437
	Household durable goods industries	3,680	3,882	3,910	3,284	-5.2	-0.7	+12.1	3,578	3,857	3,970	3,188

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Nov. 1987p	Oct. 1987r	Sep. 1987	Nov. 1986r	Oct.-Nov.p	Sep.-Oct.r	Nov.-87/86	Nov. 1987p	Oct. 1987r	Sep. 1987	Nov. 1986
	All manufacturing industries	331,052	328,554	326,670	318,755	+0.8	+0.6	+3.9	330,079	328,414	325,852	317,803
	Manufacturing industries with unfilled orders	225,067	222,852	221,160	217,804	+1.0	+0.8	+3.3	223,492	222,695	221,348	216,271
	Durable goods industries	215,444	213,436	211,680	209,219	+0.9	+0.8	+3.0	214,151	213,166	211,586	207,932
	With unfilled orders	197,773	195,856	194,163	192,312	+1.0	+0.9	+2.8	196,676	196,065	194,432	191,220
32	Stone, clay, and glass products	7,125	7,096	7,029	6,996	+0.4	+1.0	+1.8	6,906	6,853	6,866	6,774
33	Primary metals	17,165	16,940	16,667	16,947	+1.3	+1.6	+1.3	17,139	16,911	16,761	16,921
331	Blast furnaces, steel mills	7,835	7,715	7,514	7,714	+1.6	+2.7	+1.6	7,984	7,834	7,658	7,860
332	Iron and steel foundries	1,227	1,217	1,193	1,104	+0.8	+2.0	+11.1	1,182	1,178	1,171	1,063
333-9	Nonferrous and other primary metals	8,103	8,008	7,960	8,129	+1.2	+0.6	-0.3	7,973	7,899	7,932	7,998
34	Fabricated metal products	22,054	21,927	21,747	21,212	+0.6	+0.8	+4.0	21,654	21,630	21,536	20,833
35	Machinery, except electrical	41,303	40,944	40,512	42,241	+0.9	+1.1	-2.2	41,266	40,835	40,285	42,195
351	Engines and turbines	2,831	2,832	2,815	2,866	0.0	+0.6	-1.2	2,881	2,903	2,822	2,918
353	Construction, mining, and material handling equipment	6,397	6,411	6,405	7,017	-0.2	+0.1	-8.8	6,423	6,398	6,384	7,045
354	Metalworking machinery	2,937	2,973	2,981	2,953	-1.2	-0.3	-0.5	2,919	2,948	2,958	2,934
357	Office and computing machines	9,828	9,601	9,523	10,119	+2.4	+0.8	-2.9	9,799	9,680	9,475	10,082
36	Electrical machinery	40,043	39,788	39,579	39,247	+0.6	+0.5	+2.0	39,574	39,686	39,491	38,785
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,796	4,792	4,801	4,980	+0.1	-0.2	-3.7	4,757	4,784	4,799	4,937
363	Household appliances	2,842	2,799	2,732	2,757	+1.5	+2.5	+3.1	2,640	2,654	2,576	2,559
365	Radio and TV	1,603	1,638	1,628	1,632	-2.1	+0.6	-1.8	1,561	1,643	1,682	1,588
366	Communication equipment	16,953	16,768	16,691	16,352	+1.1	+0.5	+3.7	16,945	16,813	16,683	16,343
367	Electronic components	8,257	8,177	8,098	7,700	+1.0	+1.0	+7.2	8,141	8,175	8,083	7,596
364,9	Other electrical machinery	5,592	5,614	5,629	5,826	-0.4	-0.3	-4.0	5,530	5,617	5,668	5,762
37	Transportation equipment	57,550	56,790	55,987	53,474	+1.3	+1.4	+7.6	57,883	57,553	56,607	53,772
371	Motor vehicles and parts	11,470	11,267	11,324	11,315	+1.8	-0.5	+1.4	11,579	11,393	11,426	11,418
372,6	Aircraft, missiles, and parts	42,128	41,514	40,740	38,607	+1.5	+1.9	+9.1	42,270	42,143	41,264	38,711
3731,95	Shipbuilding and military tank vehicles	2,201	2,192	2,150	1,950	+0.4	+2.0	+12.9	2,237	2,227	2,171	1,999
38	Instruments and related products	12,593	12,560	12,675	12,750	+0.3	-0.9	-1.2	12,500	12,568	12,675	12,662
381-4	Scientific and engineering instruments	9,046	9,006	9,093	9,298	+0.4	-1.0	-2.7	9,046	9,022	9,093	9,300
386	Photographic goods	2,893	2,881	2,904	2,867	+0.4	-0.8	+0.9	2,835	2,898	2,902	2,809
24,25, 39	All other durable goods	17,611	17,391	17,484	16,352	+1.3	-0.5	+7.7	17,229	17,130	17,365	15,990
	Nondurable goods industries	115,608	115,118	114,990	109,536	+0.4	+0.1	+5.5	115,928	115,248	114,266	109,871
	With unfilled orders	27,294	26,996	26,997	25,492	+1.1	0.0	+7.1	26,816	26,630	26,916	25,051
20	Food and kindred products	24,659	24,522	24,645	23,590	+0.6	-0.5	+4.5	25,842	25,629	24,829	24,697
202	Dairy products	2,393	2,331	2,351	1,983	+2.7	-0.9	+20.7	2,345	2,321	2,333	1,941
208	Beverages	4,520	4,475	4,484	4,741	+1.0	-0.2	-4.7	4,393	4,381	4,359	4,608
203-6,9	All other foods	14,183	14,230	14,150	13,820	-0.3	+0.6	+2.6	15,261	15,421	14,855	14,874
21	Tobacco products	5,592	5,627	5,744	5,547	-0.6	-2.0	+0.8	5,670	5,718	5,610	5,624
22	Textile mill products	6,940	6,931	6,896	6,532	+0.1	+0.5	+6.2	6,777	6,769	6,793	6,381
221-4,6, 8,9	Broadwoven fabrics	3,870	3,838	3,850	3,696	+0.8	-0.3	+4.7	3,816	3,755	3,779	3,644
26	Paper and allied products	10,989	10,953	11,052	10,348	+0.3	-0.9	+6.2	10,902	10,760	10,847	10,271
261-3,6	Pulp, paper etc.	4,116	4,110	4,159	4,064	+0.1	-1.2	+1.3	4,084	4,033	4,072	4,032
265	Paperboard containers	2,858	2,849	2,834	2,538	+0.3	+0.5	+12.6	2,792	2,778	2,795	2,483
264	All other paper products	4,015	3,994	4,059	3,746	+0.5	-1.6	+7.2	4,026	3,949	3,980	3,756
28	Chemicals and allied products	27,280	27,166	26,999	26,319	+0.4	+0.6	+3.7	27,327	27,014	26,616	26,387
281,6	Industrial chemicals, except pigments	8,151	7,966	7,982	7,967	+2.3	-0.2	+2.3	8,151	7,966	7,982	7,967
283,4	Drugs, soaps, and toiletries	8,934	8,876	8,834	8,491	+0.7	+0.5	+5.2	8,970	8,856	8,640	8,525
282,9	Other chemical products	6,521	6,508	6,449	6,038	+0.2	+0.9	+8.0	6,423	6,397	6,370	5,948
29	Petroleum and coal products	10,610	10,752	10,769	9,881	-1.3	-0.2	+7.4	11,069	10,917	10,773	10,301
30	Rubber and plastics products	9,081	9,100	9,069	8,516	-0.2	+0.3	+6.6	8,799	8,796	8,881	8,251
23,27, 31	All other nondurable goods	20,457	20,067	19,816	18,803	+1.9	+1.3	+8.8	19,542	19,645	19,917	17,959
	Market categories:											
	Home goods and apparel	26,587	26,421	26,129	24,914	+0.6	+1.1	+6.7	25,315	25,709	25,836	23,716
	Consumer staples	42,384	42,128	42,142	40,965	+0.6	0.0	+3.5	43,304	43,219	42,341	41,866
	Equipment and defense products, except automotive	94,928	94,148	93,339	93,442	+0.8	+0.9	+1.6	95,089	94,535	93,237	93,549
	Automotive equipment	13,866	13,698	13,773	13,670	+1.2	-0.5	+1.4	13,939	13,720	13,785	13,733
	Construction materials, supplies and intermediate products	23,959	23,689	23,547	22,394	+1.1	+0.6	+7.0	23,491	23,205	23,268	21,947
	Other materials, supplies, and intermediate products	129,328	128,470	127,740	123,370	+0.7	+0.6	+4.8	128,941	128,026	127,385	122,992
	Supplementary series:[2]											
	Capital goods industries	110,444	109,229	108,078	107,400	+1.1	+1.1	+2.8	110,451	109,895	108,415	107,366
	Nondefense	72,957	72,361	71,767	73,070	+0.8	+0.8	-0.2	73,201	72,834	71,838	73,277
	Defense	37,487	36,868	36,311	34,330	+1.7	+1.5	+9.2	37,250	37,061	36,577	34,089
	Household durable goods industries	13,358	13,321	13,241	12,827	+0.3	+0.6	+4.1	12,810	13,054	13,082	12,291

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Nov. 1987[p]	Oct. 1987[r]	Sep. 1987	Nov. 1986[r]	Oct.-Nov.[p]	Sep.-Oct.[r]	Nov.-87/86	Nov. 1987[p]	Oct. 1987[r]	Sep. 1987	Nov. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	105,329	104,696	104,842	101,395	+0.6	-0.1	+3.9	104,909	104,545	104,338	100,908
	Durable goods industries	59,919	59,587	59,554	59,272	+0.6	+0.1	+1.1	59,869	59,769	59,721	59,106
32	Stone, clay, and glass products	2,214	2,177	2,169	2,195	+1.7	+0.4	+0.9	2,212	2,183	2,177	2,185
33	Primary metals	5,208	5,139	5,117	5,499	+1.3	+0.4	-5.3	5,413	5,308	5,203	5,711
34	Fabricated metal products	7,415	7,411	7,428	7,378	+0.1	-0.2	+0.5	7,300	7,351	7,439	7,271
35	Machinery, except electrical	12,112	11,900	11,670	11,721	+1.8	+2.0	+3.3	12,064	11,887	11,678	11,601
36	Electrical machinery	10,293	10,413	10,458	10,259	-1.2	-0.4	+0.3	10,098	10,277	10,406	10,058
37	Transportation equipment	11,897	11,890	11,976	12,125	+0.1	-0.7	-1.9	11,901	11,953	11,987	12,120
38	Instruments and related products	4,296	4,232	4,278	4,028	+1.5	-1.1	+6.7	4,275	4,240	4,290	3,998
24,25, 39	All other durable goods	6,484	6,425	6,458	6,067	+0.9	-0.5	+6.9	6,606	6,570	6,541	6,162
	Nondurable goods industries	45,410	45,109	45,288	42,123	+0.7	-0.4	+7.8	45,040	44,776	44,617	41,802
20	Food and kindred products	9,448	9,260	9,535	8,755	+2.0	-2.9	+7.9	9,700	9,350	8,999	8,969
21	Tobacco products	4,518	4,547	4,737	4,362	-0.6	-4.0	+3.6	4,518	4,525	4,650	4,358
22	Textile mill products	1,976	1,952	1,944	1,773	+1.2	+0.4	+11.4	1,876	1,865	1,896	1,685
26	Paper and allied products	5,824	5,832	5,874	5,302	-0.1	-0.7	+9.8	5,786	5,763	5,824	5,268
28	Chemicals and allied products	9,120	9,087	9,070	8,922	+0.4	+0.2	+2.2	9,007	9,036	9,056	8,815
29	Petroleum and coal products	3,190	3,229	3,213	3,003	-1.2	+0.5	+6.2	3,223	3,231	3,194	3,043
30	Rubber and plastics products	3,540	3,544	3,450	3,144	-0.1	+2.7	+12.6	3,443	3,451	3,414	3,054
23,27, 31	All other nondurable goods	7,794	7,658	7,465	6,862	+1.8	+2.6	+13.6	7,487	7,555	7,584	6,610
	WORK IN PROCESS											
	All manufacturing industries	119,212	117,944	117,055	113,389	+1.1	+0.8	+5.1	119,257	118,842	117,850	113,493
	Durable goods industries	100,528	99,390	98,623	96,120	+1.1	+0.8	+4.6	100,586	100,300	99,392	96,207
32	Stone, clay, and glass products	1,058	1,053	1,028	1,036	+0.5	+2.4	+2.1	1,011	1,025	1,012	990
33	Primary metals	6,869	6,691	6,553	6,555	+2.7	+2.1	+4.8	6,754	6,677	6,617	6,438
34	Fabricated metal products	7,890	7,796	7,601	7,320	+1.2	+2.6	+7.8	7,824	7,787	7,658	7,254
35	Machinery, except electrical	16,635	16,692	16,902	17,529	-0.3	-1.2	-5.1	16,620	16,757	16,897	17,556
36	Electrical machinery	20,698	20,415	20,405	20,329	+1.4	0.0	+1.8	20,740	20,637	20,447	20,369
37	Transportation equipment	39,053	38,459	37,757	34,835	+1.5	+1.9	+12.1	39,380	39,125	38,360	35,141
38	Instruments and related products	4,709	4,719	4,801	5,052	-0.2	-1.7	-6.8	4,694	4,734	4,811	5,045
24,25, 39	All other durable goods	3,616	3,565	3,576	3,464	+1.4	-0.3	+4.4	3,563	3,558	3,590	3,414
	Nondurable goods industries	18,684	18,554	18,432	17,269	+0.7	+0.7	+8.2	18,671	18,542	18,458	17,286
20	Food and kindred products	2,513	2,501	2,471	2,494	+0.5	+1.2	+0.8	2,532	2,513	2,444	2,510
21	Tobacco products	241	238	167	229	+1.3	+42.5	+5.2	243	240	167	232
22	Textile mill products	2,115	2,118	2,151	1,972	-0.1	-1.5	+7.3	2,123	2,119	2,132	1,981
26	Paper and allied products	1,219	1,230	1,242	1,214	-0.9	-1.0	+0.4	1,235	1,238	1,255	1,229
28	Chemicals and allied products	4,036	3,958	3,992	3,944	+2.0	-0.9	+2.3	4,059	4,007	4,090	3,968
29	Petroleum and coal products	2,480	2,523	2,362	1,998	-1.7	+6.8	+24.1	2,506	2,524	2,348	2,024
30	Rubber and plastics products	1,353	1,361	1,416	1,421	-0.6	-3.9	-4.8	1,364	1,365	1,422	1,440
23,27, 31	All other nondurable goods	4,727	4,625	4,631	3,997	+2.2	-0.1	+18.3	4,609	4,536	4,600	3,902
	FINISHED GOODS											
	All manufacturing industries	106,511	105,914	104,773	103,971	+0.6	+1.1	+2.4	105,913	105,027	103,664	103,402
	Durable goods industries	54,997	54,459	53,503	53,827	+1.0	+1.8	+2.2	53,696	53,097	52,473	52,619
32	Stone, clay, and glass products	3,853	3,866	3,832	3,765	-0.3	+0.9	+2.3	3,683	3,645	3,677	3,599
33	Primary metals	5,088	5,110	4,997	4,893	-0.4	+2.3	+4.0	4,972	4,926	4,941	4,772
34	Fabricated metal products	6,749	6,720	6,718	6,514	+0.4	0.0	+3.6	6,530	6,492	6,439	6,308
35	Machinery, except electrical	12,556	12,352	11,940	12,991	+1.7	+3.5	-3.3	12,582	12,191	11,710	13,038
36	Electrical machinery	9,052	8,960	8,716	8,659	+1.0	+2.8	+4.5	8,736	8,772	8,638	8,358
37	Transportation equipment	6,600	6,441	6,254	6,514	+2.5	+3.0	+1.3	6,602	6,475	6,260	6,511
38	Instruments and related products	3,588	3,609	3,596	3,670	-0.6	+0.4	-2.2	3,531	3,594	3,574	3,619
24,25, 39	All other durable goods	7,511	7,401	7,450	6,821	+1.5	-0.7	+10.1	7,060	7,002	7,234	6,414
	Nondurable goods industries	51,514	51,455	51,270	50,144	+0.1	+0.4	+2.7	52,217	51,930	51,191	50,783
20	Food and kindred products	12,698	12,761	12,639	12,341	-0.5	+1.0	+2.9	13,610	13,766	13,386	13,218
21	Tobacco products	833	842	840	956	-1.1	+0.2	-12.9	909	953	793	1,034
22	Textile mill products	2,849	2,861	2,801	2,787	-0.4	+2.1	+2.2	2,778	2,785	2,765	2,715
26	Paper and allied products	3,946	3,891	3,936	3,832	+1.4	-1.1	+3.0	3,881	3,759	3,768	3,774
28	Chemicals and allied products	14,124	14,121	13,937	13,453	0.0	+1.3	+5.0	14,261	13,971	13,470	13,604
29	Petroleum and coal products	4,940	5,000	5,194	4,880	-1.2	-3.7	+1.2	5,340	5,162	5,231	5,234
30	Rubber and plastics products	4,188	4,195	4,203	3,951	-0.2	-0.2	+6.0	3,992	3,980	4,045	3,757
23,27, 31	All other nondurable goods	7,936	7,784	7,720	7,944	+2.0	+0.8	-0.1	7,446	7,554	7,733	7,447

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Nov. 1987p	Oct. 1987r	Sep. 1987	Nov. 1986r	Nov. 1987p	Oct. 1987r	Sep. 1987	Nov. 1986r
	All manufacturing industries	1.60	1.59	1.59	1.68	3.53	3.52	3.48	3.53
	Durable goods industries	1.99	1.97	1.95	2.09	4.40	4.38	4.30	4.41
32	Stone, clay, and glass products	1.34	1.32	1.38	1.47	0.53	0.53	0.57	0.60
33	Primary metals	1.64	1.68	1.68	2.08	2.04	2.11	2.11	2.02
34	Fabricated metal products	1.97	2.01	1.97	1.93	1.95	1.97	1.92	1.86
35	Machinery, except electrical	2.33	2.21	2.18	2.52	3.43	3.29	3.27	3.54
36	Electrical machinery	2.07	2.08	2.05	2.19	4.95	4.96	4.88	5.20
37	Transportation equipment	2.11	2.07	2.02	2.06	11.25	11.28	10.46	10.19
38	Instruments and related products	2.36	2.32	2.32	2.49	1.67	1.64	1.67	1.62
	Nondurable goods industries	1.17	1.17	1.18	1.22	0.54	0.55	0.56	0.47
20	Food and kindred products	0.86	0.85	0.87	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	2.97	4.36	2.94	3.59	(X)	(X)	(X)	(X)
22	Textile mill products	1.41	1.45	1.43	1.41	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.05	1.05	1.08	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.44	1.47	1.48	1.58	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.95	0.95	0.97	1.02	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.35	1.39	1.41	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Nov. 1986	All Novs. 1982-1986	Nov. 1986-Oct. 1987	Year ago Nov. 1986	All Novs. 1982-1986	Nov. 1986-Oct. 1987	Year ago Nov. 1986	All Novs. 1982-1986	Nov. 1986-Oct. 1987	Year ago Nov. 1986	All Novs. 1982-1986	Nov. 1986-Oct. 1987
	All manufacturing industries	0.5	0.2	0.2	0.5	0.3	0.4	0.0	0.0	0.1	0.1	0.1	0.1
		0.5	0.2	0.3	0.4	0.3	0.4	0.0	0.1	0.1	0.1	0.1	0.2
	Durable goods industries	0.0	0.6	1.0	0.8	1.2	1.0	1.6	1.4	0.8	0.1	0.4	0.4
32	Stone, clay, and glass products	0.8	0.7	0.7	0.6	0.7	0.8	0.1	0.1	0.3	0.2	0.3	0.2
33	Primary metals	0.4	1.0	0.6	0.1	1.4	0.9	0.2	0.5	0.4	0.0	0.3	0.2
34	Fabricated metal products	0.6	0.7	0.7	0.9	0.4	1.1	0.0	0.2	0.2	0.1	0.2	0.2
35	Machinery, except electrical	0.1	0.5	0.3	0.8	1.2	0.7	0.1	0.2	0.1	0.0	0.1	0.1
36	Electrical machinery	0.5	0.4	0.1	0.1	1.1	0.3	0.1	0.2	0.1	0.5	0.2	0.1
37	Transportation equipment	2.9	1.0	1.3	3.0	1.6	1.3	0.0	0.3	0.4	0.7	0.3	0.2
38	Instruments and related products												
	Nondurable goods industries	0.6	0.4	0.3	0.6	0.3	0.3	0.2	0.3	0.3	0.1	0.2	0.2
20	Food and kindred products	0.3	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products	0.0	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.3
22	Textile mill products	2.3	1.7	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.8	0.5
26	Paper and allied products	1.0	0.9	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.2	0.4
28	Chemicals and allied product	1.2	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.7	0.2
29	Petroleum and coal products	1.5	1.2	1.1	(X)	(X)	(X)	(X)	(X)	(X)	1.3	0.7	0.6
30	Rubber and plastics products	0.4	0.4	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.4
	Capital goods industries:												
	Nondefense	1.0	0.9	0.6	0.7	1.1	0.8	0.0	0.0	0.1	0.4	0.2	0.1
	Defense	0.1	0.6	0.1	0.8	4.0	0.6	0.1	0.2	0.0	0.2	0.3	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C 3.158:
M 3-1 (87)-12

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

December 1987
M3-1 (87)-12
U.S. Department of Commerce
BUREAU OF THE CENSUS
For Wire Transmission 10:00 a.m. EST Wednesday, February 3, 1988

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in December increased $5.1 billion or 2.5 percent from November to $214.8 billion. New orders for durable goods were up $5.5 billion or 4.9 percent to $116.4 billion, revised down from the earlier reported 6.7 percent increase. Data for December generally have greater revisions than other months because of late reporting and revisions to early estimates by companies due to year-end book closings. New orders for nondurable goods declined $0.3 billion or 0.3 percent to $98.4 billion.

Shipments of manufactured goods in December increased $4.5 billion or 2.2 percent to $211.7 billion. Virtually all of the increase was in the durable goods sector, up $4.9 billion or 4.5 percent to $113.3 billion. Nondurable goods shipments were down $0.4 billion or 0.4 percent to $98.4 billion.

Unfilled orders for manufactured goods at the end of December were up $3.1 billion or 0.8 percent to $404.1 billion. Most of the orders backlog is for durable goods which increased $3.1 billion or 0.8 percent to $390.4 billion; this revises the earlier reported 1.3 percent increase.

Current cost inventories at the end of December were $333.2 billion, up $1.4 billion or 0.4 percent from November. About two-thirds of the increase was in nondurables. The inventory to shipments ratio in December was 1.57 percent, down from 1.60 in November.

Total new orders for 1987 were $2,438.5 billion, 7.4 percent above 1986. Total shipments for 1987 were $2,407.3 billion, up 6.0 percent over 1986. Unfilled orders at year-end of $404.1 billion were 8.3 percent above 1986. Inventories at year-end of $333.2 billion were 4.7 percent above 1986.

New Orders

The increases in new orders for durable goods in December were widespread. The largest was in transportation equipment, up $3.0 billion or 10.3 percent to $31.6 billion; an increase in aircraft and parts of $3.8 billion was partially offset by a decline in shipbuilding and tanks of $1.1 billion.

Orders for primary metals increased $1.3 billion or 11.7 percent to $12.2 billion; both steel and nonferrous metals were up. Nonelectrical machinery increased $1.0 billion or 5.4 percent to $19.0 billion, the largest gains were in construction, mining, and material handling equipment, in farm machinery and equipment, and office and computing equipment.

The pattern of change among nondurable goods industries was mixed. The largest increases were in paper, apparel and tobacco products. The largest declines were in foods and chemicals.

Shipments

Within the durable goods sector, increases in shipments were widespread. The largest increase was in transportation equipment, up $2.2 billion or 8.3 percent to $29.4 billion, $1.8 billion of which was in aircraft and parts. Motor vehicles and parts were up $0.2 billion. Nonelectrical machinery shipments increased $1.0 billion or 5.4 percent to $19.1 billion, with the largest increases in engines and turbines and farm machinery and equipment. Primary metals shipments were up $0.7 billion or 6.5 percent to $11.3 billion.

Within the nondurable sector the pattern of change for shipments was also mixed. The largest declines were in foods, textiles and chemicals, while the largest increases were in tobacco, apparel and paper.

Unfilled Orders

Most of the $3.1 billion increase in the orders backlog in December was for aircraft and parts, up $2.7 billion or 1.8 percent to $152.3 billion. There was also a large increase in primary metals, up $0.9 billion or 4.1 percent to $22.5 billion; both steel and nonferrous metals had increases. The backlog of orders for nondurable goods declined 0.4 percent.

Inventories

Inventories of durable goods manufacturers increased $0.4 billion or 0.2 percent to $216.3 billion, following a large 1.2 percent increase in November. A large decline in inventories for defense capital goods of $0.9 billion or 2.5 percent was more than offset by widespread increases in other industry categories. Most of the increase in nondurable goods inventories of $1.0 billion or 0.9 percent came in the chemicals, paper and apparel industries.

Inventories by stage of fabrication showed materials and supplies up 0.4 percent from November and finished goods up 0.9 percent; work in process was unchanged.

SCHEDULED RELEASE DATES. The advance report on durable goods for January 1988 is scheduled for February 23, 1988, at 8:30 a.m. and the full report on March 2, 1988 at 10:00 a.m. The schedule of release dates for 1988 can be found on back page of this publication.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D C. 20402. This press release is also available on the data of issue through the Census Bureau's online information service—CENDATA™. The online version of the report can be read from a terminal screen, printed on— or off—line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800- 848-8199). Further information about accessing CENDATA can be obtained from Dialog The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1987P	Nov. 1987r	Oct. 1987	Dec. 1986r	Nov.-Dec.P	Oct.-Nov.r	Dec.-87/86	Dec. 1987P	Nov. 1987r	Oct. 1987	Dec. 1986	1987P	1986
	All manufacturing industries	211,695	207,226	206,396	197,474	+2.2	+0.4	+7.2	204,477	205,722	211,949	190,978	2,408,593	2,273,298
	Manufacturing industries with unfilled orders	117,794	113,970	113,293	109,260	+3.4	+0.6	+7.8	116,555	113,921	116,234	108,480	1,318,180	1,247,818
	Durable goods industries	113,282	108,378	108,251	106,394	+4.5	+0.1	+6.5	109,146	107,625	111,685	102,667	1,263,875	1,201,704
	With unfilled orders	92,412	88,339	87,825	85,660	+4.6	+0.6	+7.9	91,629	88,158	89,853	85,284	1,022,784	977,789
32	Stone, clay, and glass products	5,323	5,282	5,382	4,834	+0.8	-1.9	+10.1	4,572	5,132	5,699	4,149	60,997	56,787
33	Primary metals	11,301	10,608	10,113	8,252	+6.5	+4.9	+36.9	10,214	10,152	10,211	7,442	111,465	101,733
331	Blast furnaces, steel mills	4,865	4,741	4,510	3,392	+2.6	+5.1	+43.4	4,456	4,451	4,487	3,108	48,065	42,830
332	Iron and steel foundries	822	807	828	835	+1.9	-2.5	-1.6	677	813	880	689	9,566	10,178
333-9	Nonferrous and other primary metals	5,614	5,060	4,775	4,025	+10.9	+6.0	+39.5	5,081	4,888	4,844	3,645	53,834	48,725
34	Fabricated metal products	11,403	11,166	10,915	11,302	+2.1	+2.3	+0.9	10,374	10,928	11,449	10,255	134,177	135,974
35	Machinery, except electrical	19,080	18,103	18,546	17,650	+5.4	-2.4	+8.1	20,487	17,776	18,544	19,286	212,631	205,804
351	Engines and turbines	1,673	1,405	1,300	1,732	+19.1	+8.1	-3.4	1,607	1,370	1,216	1,675	15,077	14,770
353	Construction, mining, and material handling equipment	2,370	2,372	2,329	2,167	-0.1	+1.8	+9.4	2,299	2,392	2,349	2,109	26,242	26,589
354	Metalworking machinery	788	821	735	706	-4.0	+11.7	+11.6	846	822	834	756	9,030	8,923
357	Office and computing machines	4,607	4,514	4,933	4,956	+2.1	-8.5	-7.0	6,648	4,797	4,643	7,133	56,269	56,230
36	Electrical machinery	19,825	19,377	19,163	17,883	+2.3	+1.1	+10.9	20,689	19,928	19,413	18,684	224,482	205,613
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,223	2,329	2,364	2,161	-4.6	-1.5	+2.9	2,297	2,321	2,330	2,232	26,969	25,374
363	Household appliances	1,535	1,544	1,542	1,405	-0.6	+0.1	+9.3	1,363	1,454	1,608	1,241	18,583	17,090
365	Radio and TV	1,136	1,172	1,126	1,097	-3.1	+4.1	+3.6	1,133	1,269	1,275	1,091	13,053	12,851
366	Communication equipment	6,608	6,196	6,183	5,925	+6.6	+0.2	+11.5	7,787	6,399	5,930	6,984	74,055	69,725
367	Electronic components	4,800	4,509	4,403	3,825	+6.5	+2.4	+25.5	4,498	4,530	4,383	3,579	50,223	44,006
364,9	Other electrical machinery	3,523	3,627	3,545	3,470	-2.9	+2.3	+1.5	3,611	3,955	3,887	3,557	41,599	36,567
37	Transportation equipment	29,356	27,107	27,480	30,790	+8.3	-1.4	-4.7	26,976	27,452	28,820	28,206	323,400	314,081
371	Motor vehicles and parts	17,287	17,116	17,491	18,519	+1.0	-2.1	-6.7	14,384	17,425	18,749	15,424	201,199	194,725
372,6	Aircraft, missiles, and parts	10,218	8,438	8,211	10,477	+21.1	+2.8	-2.5	10,722	8,461	8,301	10,974	101,299	98,984
3731,95	Shipbuilding and military tank vehicles	958	749	750	1,079	+27.9	-0.1	-11.2	958	749	750	1,079	9,621	10,681
38	Instruments and related products	5,367	5,375	5,418	5,192	-0.1	-0.8	+3.4	5,570	5,389	5,485	5,382	63,250	60,860
381-4	Scientific and engineering instruments	3,582	3,585	3,645	3,449	-0.1	-1.6	+3.9	3,761	3,478	3,625	3,621	42,191	40,642
386	Photographic goods	1,602	1,618	1,595	1,541	-1.0	+1.4	+4.0	1,658	1,737	1,663	1,594	19,058	18,035
24,25, 39	All other durable goods	11,627	11,360	11,234	10,491	+2.4	+1.1	+10.8	10,264	10,868	12,064	9,263	133,473	120,852
	Nondurable goods industries	98,413	98,848	98,145	91,080	-0.4	+0.7	+8.1	95,331	98,097	100,264	88,311	1,144,718	1,071,594
	With unfilled orders	25,382	25,631	25,468	23,600	-1.0	+0.6	+7.6	24,926	25,763	26,381	23,196	295,396	270,029
20	Food and kindred products	28,319	28,646	28,713	26,855	-1.1	-0.2	+5.5	28,262	28,604	29,384	26,804	334,625	314,500
202	Dairy products	3,981	4,002	4,037	3,765	-0.5	-0.9	+5.7	3,826	3,979	3,973	3,620	47,292	42,356
208	Beverages	3,702	3,633	3,646	3,695	+1.9	-0.4	+0.2	3,313	3,420	3,727	3,298	43,404	43,853
203-6,9	All other foods	12,891	13,212	13,121	12,172	-2.4	+0.7	+5.9	13,316	13,372	13,547	12,587	151,299	142,719
21	Tobacco products	2,169	1,874	1,291	2,095	+15.7	+45.2	+3.5	2,169	1,874	1,291	2,095	18,619	18,016
22	Textile mill products	4,585	4,880	4,793	4,627	-6.0	+1.8	-0.9	4,349	4,795	5,102	4,395	56,547	54,607
221-4,6, 8,9	Broadwoven fabrics	2,764	3,044	2,984	2,829	-9.2	+2.0	-2.3	2,772	2,924	3,071	2,837	34,550	33,601
26	Paper and allied products	10,669	10,451	10,408	9,276	+2.1	+0.4	+15.0	10,163	10,071	10,367	8,829	118,882	103,834
261-3,6	Pulp, paper etc	4,793	4,597	4,550	4,035	+4.3	+1.0	+18.8	4,707	4,495	4,449	3,956	51,547	43,990
265	Paperboard containers	2,320	2,248	2,206	1,977	+3.2	+1.9	+17.3	2,107	2,145	2,290	1,792	25,674	22,414
264	All other paper products	3,556	3,606	3,652	3,264	-1.4	-1.3	+8.9	3,349	3,431	3,628	3,081	41,661	37,430
28	Chemicals and allied products	18,571	18,850	18,519	16,785	-1.5	+1.8	+10.6	18,214	17,687	17,903	16,483	214,635	198,348
281,6	Industrial chemicals, except pigments	5,351	5,283	5,550	4,753	+1.3	-4.8	+12.6	5,281	5,145	5,356	4,684	62,704	56,492
283,4	Drugs, soaps, and toiletries	6,166	6,207	6,143	5,950	-0.7	+1.0	+3.6	6,295	5,848	6,043	6,079	72,512	69,164
282,9	Other chemical products	4,488	4,630	4,456	3,907	-3.1	+3.9	+14.9	4,376	4,502	4,426	3,807	51,815	46,132
29	Petroleum and coal products	10,916	11,099	11,312	9,853	-1.6	-1.9	+10.8	10,736	11,068	11,393	9,688	129,743	129,320
30	Rubber and plastics products	6,865	6,826	6,745	6,158	+0.6	+1.2	+11.5	6,193	6,827	7,179	5,563	78,878	72,170
23,27, 31	All other nondurable goods	16,319	16,222	16,364	15,431	+0.6	-0.9	+5.8	15,245	17,171	17,645	14,454	192,789	180,799
	Market categories:													
	Home goods and apparel	13,915	13,677	13,732	13,089	+1.7	-0.4	+6.3	11,746	14,101	15,089	11,048	162,871	153,075
	Consumer staples	40,651	40,859	40,403	38,819	-0.5	+1.1	+4.7	40,867	40,970	41,186	39,040	475,800	447,890
	Equipment and defense products, except automotive	35,092	32,282	32,797	33,097	+8.7	-1.6	+6.0	38,548	32,203	32,744	36,620	385,359	372,198
	Automotive equipment	19,164	19,053	19,661	20,236	+0.6	-3.1	-5.3	16,089	19,324	21,041	16,979	225,453	217,223
	Construction materials, supplies and intermediate products	16,880	16,600	16,187	15,216	+1.7	+2.6	+10.9	14,681	15,858	17,119	13,269	192,841	179,596
	Other materials, supplies, and intermediate products	85,993	84,755	83,616	77,017	+1.5	+1.4	+11.7	82,546	83,266	84,770	74,022	966,269	903,316
	Supplementary series:[2]													
	Capital goods industries	40,700	37,862	38,129	39,214	+7.5	-0.7	+3.8	44,430	38,326	38,149	42,954	446,994	428,686
	Nondefense	30,471	28,622	28,995	28,687	+6.5	-1.3	+6.2	33,329	28,916	29,034	31,626	337,027	321,761
	Defense	10,229	9,240	9,134	10,527	+10.7	+1.2	-2.8	11,101	9,410	9,115	11,328	109,967	106,925
	Household durable goods industries	6,547	6,566	6,428	6,185	-0.3	+2.1	+5.9	5,915	6,612	7,009	5,571	76,121	71,541

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Dec. 1987[p]	Nov. 1987[r]	Oct. 1987	Dec. 1986[r]	Nov.-Dec.[p]	Oct.-Nov.[r]	Dec.-87/86	Dec. 1987[p]	Nov. 1987[r]	Oct. 1987	Dec. 1986	1987[p]	1986
	All manufacturing industries	214,769	209,626	209,399	196,894	+2.5	+0.1	+9.1	209,267	209,404	213,019	192,786	2,439,238	2,273,781
	Manufacturing industries with unfilled orders	120,868	116,370	116,296	108,680	+3.9	+0.1	+11.2	121,345	117,603	117,304	110,288	1,348,825	1,248,301
	Durable goods industries	116,409	110,949	111,095	105,681	+4.9	-0.1	+10.2	114,017	111,659	112,797	104,345	1,292,063	1,201,566
	With unfilled orders	95,539	90,910	90,669	84,947	+5.1	+0.3	+12.5	96,500	92,192	90,965	86,962	1,050,972	977,651
32	Stone, clay, and glass products	5,248	5,301	5,357	4,742	-1.0	-1.0	+10.7	4,507	5,144	5,612	4,090	61,031	56,669
33	Primary metals	12,182	10,903	10,437	9,109	+11.7	+4.5	+33.7	11,627	10,463	10,257	8,590	116,497	102,155
331	Blast furnaces, steel mills	5,456	5,053	4,278	3,987	+8.0	+18.1	+36.8	5,421	4,873	4,205	3,912	51,123	43,560
332	Iron and steel foundries	850	905	816	903	-6.1	+10.9	-5.9	637	905	874	726	9,800	10,492
333-9	Nonferrous and other primary metals	5,876	4,945	5,343	4,219	+18.8	-7.4	+39.3	5,569	4,685	5,178	3,952	55,574	48,103
34	Fabricated metal products	11,474	11,290	11,077	11,582	+1.6	+1.9	-0.9	10,567	10,998	11,307	10,643	134,912	134,969
35	Machinery, except electrical	19,000	18,024	18,953	16,371	+5.4	-4.9	+16.1	19,817	17,917	18,794	17,554	215,123	199,601
351	Engines and turbines	1,206	1,376	1,397	516	-12.4	-1.5	+133.7	1,068	1,357	1,389	400	15,257	12,884
353	Construction, mining, and material handling equipment	2,740	2,361	2,397	2,140	+16.1	-1.5	+28.0	2,731	2,432	2,424	2,130	26,904	25,261
354	Metalworking machinery	818	792	708	663	+3.3	+11.9	+23.4	756	775	718	578	8,916	8,390
357	Office and computing machines	4,530	4,309	5,059	4,883	+5.1	-14.8	-7.2	6,088	4,762	4,651	6,769	56,085	54,322
36	Electrical machinery	20,120	20,288	19,999	18,662	-0.8	+1.4	+7.8	20,897	20,134	19,904	19,602	226,795	207,800
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,117	2,310	2,447	2,083	-8.4	-5.6	+1.6	2,171	2,286	2,392	2,134	27,108	24,934
363	Household appliances	1,578	1,525	1,528	1,362	+3.5	-0.2	+15.9	1,395	1,439	1,568	1,201	18,525	17,009
365	Radio and TV	1,062	1,173	1,106	1,017	-9.5	+6.1	+4.4	1,059	1,270	1,255	1,011	13,047	12,779
366	Communication equipment	6,859	6,727	6,656	6,159	+2.0	+1.1	+11.4	7,952	6,497	6,258	7,424	74,375	73,222
367	Electronic components	4,903	4,905	4,706	4,685	0.0	+4.2	+4.7	4,657	4,693	4,547	4,413	51,985	43,166
364,9	Other electrical machinery	3,601	3,648	3,556	3,356	-1.3	+2.6	+7.3	3,663	3,949	3,884	3,419	41,755	36,690
37	Transportation equipment	31,558	28,603	28,573	29,620	+10.3	+0.1	+6.5	31,148	31,099	29,497	29,483	339,296	318,641
372,6	Aircraft, missiles, and parts	12,879	9,094	9,784	9,558	+41.6	-7.1	+34.7	15,491	10,990	9,580	12,686	115,833	104,539
3731,95	Shipbuilding and military tank vehicles	460	1,547	421	895	-70.3	+267.5	-48.6	275	1,884	280	704	10,643	10,068
38	Instruments and related products	5,360	5,437	5,225	5,093	-1.4	+4.1	+5.2	5,572	5,400	5,243	5,292	63,978	60,563
381-4	Scientific and engineering instruments	3,624	3,726	3,530	3,392	-2.7	+5.6	+6.8	3,803	3,619	3,510	3,564	42,816	40,460
24,25, 39	All other durable goods	11,467	11,103	11,474	10,502	+3.3	-3.2	+9.2	9,882	10,504	12,183	9,091	134,431	121,168
	Nondurable goods industries	98,360	98,677	98,304	91,213	-0.3	+0.4	+7.8	95,250	97,745	100,222	88,441	1,147,175	1,072,215
	With unfilled orders	25,329	25,460	25,627	23,733	-0.5	-0.7	+6.7	24,845	25,411	26,339	23,326	297,853	270,650
	Market categories:													
	Home goods and apparel	13,694	13,500	13,776	12,782	+1.4	-2.0	+7.1	11,430	13,802	14,969	10,720	163,696	153,144
	Consumer staples	40,698	40,888	40,365	38,855	-0.5	+1.3	+4.7	40,932	40,983	41,144	39,082	475,732	447,892
	Equipment and defense products, except automotive	35,346	34,434	33,918	32,176	+2.6	+1.5	+9.9	39,961	36,252	32,920	37,802	398,881	373,513
	Automotive equipment	19,146	19,098	19,505	20,224	+0.3	-2.1	-5.3	16,118	19,310	20,904	16,974	225,575	216,996
	Construction materials, supplies and intermediate products	17,152	16,799	16,247	15,453	+2.1	+3.4	+11.0	14,841	16,001	16,936	13,395	193,000	179,223
	Other materials, supplies, and intermediate products	88,733	84,907	85,588	77,404	+4.5	-0.8	+14.6	85,985	83,056	86,146	74,813	982,354	903,013
	Supplementary series:[2]													
	Capital goods industries	43,001	39,824	40,417	36,880	+8.0	-1.5	+16.6	47,905	42,262	39,670	42,750	466,431	430,187
	Nondefense	33,559	30,085	30,416	29,142	+11.5	-1.1	+15.2	35,754	30,576	30,268	31,565	355,488	320,057
	Defense	9,442	9,739	10,001	7,738	-3.0	-2.6	+22.0	12,151	11,686	9,402	11,185	110,943	110,130
	Household durable goods industries	6,349	6,361	6,400	5,970	-0.2	-0.6	+6.3	5,670	6,362	6,896	5,343	76,523	71,714

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Dec. 1987p	Nov. 1987r	Oct. 1987	Dec. 1986r	Nov.-Dec.p	Oct.-Nov.r	Dec.-87/86	Dec. 1987p	Nov. 1987r	Oct. 1987	Dec. 1986
	All manufacturing industries	404,104	401,030	398,630	372,974	+0.8	+0.6	+8.3	401,055	396,265	392,583	370,410
	Durable goods industries	390,393	387,266	384,695	361,855	+0.8	+0.7	+7.9	387,724	382,853	378,819	359,536
32	Stone, clay, and glass products	2,568	2,643	2,624	2,534	-2.8	+0.7	+1.3	2,464	2,529	2,517	2,430
33	Primary metals	22,492	21,611	21,316	17,318	+4.1	+1.4	+29.9	21,759	20,346	20,035	16,727
331	Blast furnaces, steel mills	12,303	11,712	11,400	9,165	+5.0	+2.7	+34.2	11,909	10,944	10,522	8,851
332	Iron and steel foundries	2,997	2,969	2,871	2,758	+0.9	+3.4	+8.7	2,910	2,950	2,858	2,676
333-9	Nonferrous and other primary metals	7,192	6,930	7,045	5,395	+3.8	-1.6	+33.3	6,940	6,452	6,655	5,200
34	Fabricated metal products	19,615	19,544	19,420	18,893	+0.4	+0.6	+3.8	19,432	19,239	19,169	18,697
35	Machinery, except electrical	57,740	57,820	57,899	55,296	-0.1	-0.1	+4.4	57,050	57,720	57,579	54,558
351	Engines and turbines	14,560	15,027	15,056	14,395	-3.1	-0.2	+1.1	14,685	15,224	15,237	14,505
353	Construction, mining, and material handling equipment	4,938	4,568	4,579	4,300	+8.1	-0.2	+14.8	4,997	4,565	4,525	4,335
354	Metalworking machinery	3,032	3,002	3,031	3,147	+1.0	-1.0	-3.7	2,941	3,031	3,078	3,055
357	Office and computing machines	19,039	19,116	19,321	19,229	-0.4	-1.1	-1.0	18,449	19,009	19,044	18,633
36	Electrical machinery	96,237	95,942	95,031	93,844	+0.3	+1.0	+2.5	94,883	94,675	94,469	92,570
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,527	5,633	5,652	5,394	-1.9	-0.3	+2.5	5,467	5,593	5,628	5,328
363	Household appliances	227	184	203	290	+23.4	-9.4	-21.7	205	173	188	263
365	Radio and TV	357	431	430	363	-17.2	+0.2	-1.7	357	431	430	363
366	Communication equipment	70,391	70,140	69,609	70,029	+0.4	+0.8	+0.5	69,606	69,441	69,343	69,286
367	Electronic components	17,857	17,754	17,358	16,051	+0.6	+2.3	+11.3	17,393	17,234	17,071	15,631
364,9	Other electrical machinery	1,878	1,800	1,779	1,717	+4.3	+1.2	+9.4	1,855	1,803	1,809	1,699
37	Transportation equipment	177,006	174,804	173,308	160,965	+1.3	+0.9	+10.0	177,685	173,513	169,866	161,789
372,6	Aircraft, missiles, and parts	152,297	149,636	148,980	137,671	+1.8	+0.4	+10.6	153,260	148,491	145,962	138,726
3731,95	Shipbuilding and military tank vehicles	18,514	19,012	18,214	17,462	-2.6	+4.4	+6.0	18,368	19,051	17,916	17,346
38	Instruments and related products	8,950	8,957	8,895	8,215	-0.1	+0.7	+8.9	8,903	8,901	8,890	8,175
381-4	Scientific and engineering instruments	8,029	7,987	7,846	7,404	+0.5	+1.8	+8.4	8,029	7,987	7,846	7,404
24,25, 39	All other durable goods	5,785	5,945	6,202	4,790	-2.7	-4.1	+20.8	5,548	5,930	6,294	4,590
	Nondurable goods industries	13,711	13,764	13,935	11,119	-0.4	-1.2	+23.3	13,331	13,412	13,764	10,874
	Market categories:											
	Home goods and apparel	4,451	4,672	4,849	3,511	-4.7	-3.7	+26.8	4,157	4,473	4,772	3,332
	Consumer staples	698	651	622	770	+7.2	+4.7	-9.4	695	630	617	763
	Equipment and defense products, except automotive	252,458	252,204	250,052	238,796	+0.1	+0.9	+5.7	251,509	250,096	246,047	237,987
	Automotive equipment	5,764	5,782	5,737	5,619	-0.3	+0.8	+2.6	5,626	5,597	5,611	5,504
	Construction materials, supplies and intermediate products	10,585	10,313	10,114	10,432	+2.6	+2.0	+1.5	10,247	10,087	9,944	10,088
	Other materials, supplies, and intermediate products	130,148	127,408	127,256	113,846	+2.2	+0.1	+14.3	128,821	125,382	125,592	112,736
	Supplementary series:[2]											
	Capital goods industries	309,472	307,171	305,209	289,918	+0.7	+0.6	+6.7	308,751	305,276	301,340	289,314
	Nondefense	146,234	143,146	141,683	127,820	+2.2	+1.0	+14.4	145,481	143,056	141,396	127,020
	Defense	163,238	164,025	163,526	162,098	-0.5	+0.3	+0.7	163,270	162,220	159,944	162,294
	Household durable goods industries	3,479	3,677	3,882	3,069	-5.4	-5.3	+13.4	3,362	3,607	3,857	2,960

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Dec. 1987[p]	Nov. 1987[r]	Oct. 1987	Dec. 1986[r]	Nov.-Dec.[p]	Oct.-Nov.[r]	Dec.-87/86	Dec. 1987[p]	Nov. 1987[r]	Oct. 1987	Dec. 1986
	All manufacturing industries	333,221	331,812	328,554	318,238	+0.4	+1.0	+4.7	328,342	330,713	328,414	313,697
	Manufacturing industries with unfilled orders	226,033	225,417	222,852	216,686	+0.3	+1.2	+4.3	221,220	223,909	222,695	212,166
	Durable goods industries	216,348	215,931	213,436	207,854	+0.2	+1.2	+4.1	212,294	214,613	213,166	204,025
	With unfilled orders	198,353	198,103	195,856	191,158	+0.1	+1.1	+3.8	194,263	197,081	196,065	187,305
32	Stone, clay, and glass products	7,175	7,135	7,096	6,978	+0.6	+0.5	+2.8	7,046	6,909	6,853	6,858
33	Primary metals	17,387	17,249	16,940	17,211	+0.8	+1.8	+1.0	17,236	17,231	16,911	17,059
331	Blast furnaces, steel mills	7,972	7,849	7,715	7,786	+1.6	+1.7	+2.4	7,956	7,992	7,834	7,772
332	Iron and steel foundries	1,261	1,255	1,217	1,120	+0.5	+3.1	+12.6	1,224	1,203	1,178	1,087
333-9	Nonferrous and other primary metals	8,154	8,145	8,008	8,305	+0.1	+1.7	-1.8	8,056	8,036	7,899	8,200
34	Fabricated metal products	21,995	21,971	21,927	21,175	+0.1	+0.2	+3.9	21,686	21,631	21,630	20,883
35	Machinery, except electrical	41,634	41,191	40,944	41,518	+1.1	+0.6	+0.3	40,965	41,136	40,835	40,821
351	Engines and turbines	2,855	2,820	2,832	2,848	+1.2	-0.4	+0.2	2,675	2,882	2,903	2,664
353	Construction, mining, and material handling equipment	6,543	6,401	6,411	6,788	+2.2	-0.2	-3.6	6,543	6,433	6,398	6,782
354	Metalworking machinery	2,913	2,953	2,973	2,968	-1.4	-0.7	-1.9	2,811	2,938	2,948	2,866
357	Office and computing machines	9,994	9,812	9,601	9,869	+1.9	+2.2	+1.3	9,744	9,767	9,680	9,620
36	Electrical machinery	39,521	40,190	39,788	38,878	-1.7	+1.0	+1.7	38,754	39,716	39,686	38,134
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,888	4,804	4,792	4,852	+1.7	+0.3	+0.7	4,770	4,761	4,784	4,735
363	Household appliances	2,876	2,837	2,799	2,724	+1.4	+1.4	+5.6	2,695	2,641	2,654	2,555
365	Radio and TV	1,668	1,622	1,638	1,676	+2.8	-1.0	-0.5	1,570	1,562	1,643	1,583
366	Communication equipment	16,119	17,004	16,768	16,262	-5.2	+1.4	-0.9	15,972	16,982	16,813	16,116
367	Electronic components	8,276	8,269	8,177	7,752	+0.1	+1.1	+6.8	8,218	8,179	8,175	7,699
364,9	Other electrical machinery	5,694	5,654	5,614	5,612	+0.7	+0.7	+1.5	5,529	5,591	5,617	5,446
37	Transportation equipment	58,049	57,889	56,790	52,786	+0.3	+1.9	+10.0	56,512	58,248	57,553	51,456
371	Motor vehicles and parts	11,412	11,459	11,267	11,090	-0.4	+1.7	+2.9	11,466	11,598	11,393	11,147
372,6	Aircraft, missiles, and parts	42,860	42,397	41,514	38,255	+1.1	+2.1	+12.0	41,230	42,540	42,143	36,832
3731,95	Shipbuilding and military tank vehicles	2,094	2,216	2,192	1,911	-5.5	+1.1	+9.6	2,048	2,252	2,227	1,866
38	Instruments and related products	12,772	12,619	12,560	12,585	+1.2	+0.5	+1.5	12,422	12,527	12,568	12,242
381-4	Scientific and engineering instruments	9,183	9,048	9,006	9,135	+1.5	+0.5	+0.5	9,018	9,069	9,022	8,970
386	Photographic goods	2,945	2,911	2,881	2,862	+1.2	+1.0	+2.9	2,792	2,835	2,898	2,712
24,25, 39	All other durable goods	17,815	17,687	17,391	16,723	+0.7	+1.7	+6.5	17,673	17,215	17,130	16,572
	Nondurable goods industries	116,873	115,881	115,118	110,384	+0.9	+0.7	+5.9	116,048	116,100	115,248	109,672
	With unfilled orders	27,680	27,314	26,996	25,528	+1.3	+1.2	+8.4	26,957	26,828	26,630	24,861
20	Food and kindred products	24,707	24,691	24,522	23,645	+0.1	+0.7	+4.5	25,110	25,797	25,629	24,026
202	Dairy products	2,395	2,388	2,331	1,993	+0.3	+2.4	+20.2	2,318	2,346	2,321	1,929
208	Beverages	4,425	4,525	4,475	4,717	-2.2	+1.1	-6.2	4,394	4,403	4,381	4,686
203-6,9	All other foods	14,298	14,179	14,230	13,914	+0.8	-0.4	+2.8	14,727	15,173	15,421	14,332
21	Tobacco products	5,544	5,600	5,627	5,585	-1.0	-0.5	-0.7	5,888	5,668	5,718	5,923
22	Textile mill products	6,937	6,930	6,931	6,560	+0.1	0.0	+5.7	6,747	6,753	6,769	6,385
221-4,6, 8,9	Broadwoven fabrics	3,890	3,883	3,838	3,728	+0.2	+1.2	+4.3	3,816	3,816	3,755	3,657
26	Paper and allied products	11,282	10,995	10,953	10,480	+2.6	+0.4	+7.7	11,171	10,868	10,760	10,380
261-3,6	Pulp, paper etc.	4,289	4,155	4,110	4,107	+3.2	+1.1	+4.4	4,289	4,084	4,033	4,105
265	Paperboard containers	2,823	2,860	2,849	2,589	-1.3	+0.4	+9.0	2,809	2,791	2,778	2,577
264	All other paper products	4,170	3,980	3,994	3,784	+4.8	-0.4	+10.2	4,073	3,993	3,949	3,698
28	Chemicals and allied products	27,708	27,321	27,166	26,983	+1.4	+0.6	+2.7	27,672	27,377	27,014	26,976
281,6	Industrial chemicals, except pigments	8,242	8,126	7,966	8,233	+1.4	+2.0	+0.1	8,242	8,126	7,966	8,233
283,4	Drugs, soaps, and toiletries	9,207	9,019	8,876	8,566	+2.1	+1.6	+7.5	9,004	9,048	8,856	8,376
282,9	Other chemical products	6,627	6,552	6,508	6,392	+1.1	+0.7	+3.7	6,673	6,412	6,397	6,432
29	Petroleum and coal products	10,629	10,732	10,752	9,907	-1.0	-0.2	+7.3	10,516	11,222	10,917	9,789
30	Rubber and plastics products	9,196	9,121	9,100	8,586	+0.8	+0.2	+7.1	9,063	8,834	8,796	8,456
23,27, 31	All other nondurable goods	20,870	20,491	20,067	18,638	+1.8	+2.1	+12.0	19,881	19,581	19,645	17,737
	Market categories:											
	Home goods and apparel	27,048	26,628	26,421	24,960	+1.6	+0.8	+8.4	25,999	25,306	25,709	23,993
	Consumer staples	42,693	42,476	42,128	41,127	+0.5	+0.8	+3.8	42,926	43,320	43,219	41,385
	Equipment and defense products, except automotive	95,095	95,108	94,148	91,990	0.0	+1.0	+3.4	93,326	95,272	94,535	90,286
	Automotive equipment	13,825	13,919	13,698	13,393	-0.7	+1.6	+3.2	13,912	14,018	13,720	13,480
	Construction materials, supplies and intermediate products	24,147	23,989	23,689	22,658	+0.7	+1.3	+6.6	23,894	23,478	23,205	22,399
	Other materials, supplies, and intermediate products	130,413	129,692	128,470	124,110	+0.6	+1.0	+5.1	128,285	129,319	128,026	122,154
	Supplementary series:[2]											
	Capital goods industries	110,504	110,672	109,229	105,726	-0.2	+1.3	+4.5	107,659	110,703	109,895	103,075
	Nondefense	73,823	73,063	72,361	71,721	+1.0	+1.0	+2.9	72,193	73,328	72,834	70,140
	Defense	36,681	37,609	36,868	34,005	-2.5	+2.0	+7.9	35,466	37,375	37,061	32,935
	Household durable goods industries	13,437	13,370	13,321	12,944	+0.5	+0.4	+3.8	12,951	12,806	13,054	12,484

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Dec. 1987[p]	Nov. 1987[r]	Oct. 1987	Dec. 1986[r]	Nov.-Dec.[p]	Oct.-Nov.[r]	Dec.-87/86	Dec. 1987[p]	Nov. 1987[r]	Oct. 1987	Dec. 1986
	MATERIALS AND SUPPLIES											
	All manufacturing industries	105,884	105,451	104,696	102,357	+0.4	+0.7	+3.4	106,625	104,941	104,545	102,981
	Durable goods industries	60,249	60,031	59,587	59,371	+0.4	+0.7	+1.5	60,518	59,941	59,769	59,502
32	Stone, clay, and glass products	2,278	2,209	2,177	2,200	+3.1	+1.5	+3.5	2,281	2,203	2,183	2,212
33	Primary metals	5,351	5,238	5,139	5,557	+2.2	+1.9	-3.7	5,567	5,451	5,308	5,775
34	Fabricated metal products	7,701	7,396	7,411	7,314	+4.1	-0.2	+5.3	7,722	7,286	7,351	7,334
35	Machinery, except electrical	11,876	12,050	11,900	11,554	-1.4	+1.3	+2.8	11,905	12,019	11,887	11,598
36	Electrical machinery	10,378	10,371	10,413	10,082	+0.1	-0.4	+2.9	10,395	10,140	10,277	10,103
37	Transportation equipment	11,807	11,939	11,890	12,318	-1.1	+0.4	-4.1	11,703	11,956	11,953	12,068
38	Instruments and related products	4,234	4,287	4,232	4,033	-1.2	+1.3	+5.0	4,185	4,263	4,240	3,967
24,25, 39	All other durable goods	6,624	6,541	6,425	6,313	+1.3	+1.8	+4.9	6,760	6,623	6,570	6,445
	Nondurable goods industries	45,635	45,420	45,109	42,986	+0.5	+0.7	+6.2	46,107	45,000	44,776	43,479
20	Food and kindred products	9,344	9,401	9,260	8,738	-0.6	+1.5	+6.9	9,639	9,632	9,350	9,018
21	Tobacco products	4,421	4,538	4,547	4,711	-2.6	-0.2	-6.2	4,904	4,515	4,525	5,167
22	Textile mill products	1,969	1,989	1,952	1,812	-1.0	+1.9	+8.7	1,919	1,877	1,865	1,768
26	Paper and allied products	6,022	5,818	5,832	5,394	+3.5	-0.2	+11.6	6,020	5,754	5,763	5,399
28	Chemicals and allied products	9,254	9,121	9,087	9,102	+1.5	+0.4	+1.7	9,190	9,006	9,036	9,064
29	Petroleum and coal products	3,199	3,219	3,229	3,081	-0.6	-0.3	+3.8	3,206	3,283	3,231	3,084
30	Rubber and plastics products	3,489	3,538	3,544	3,161	-1.4	-0.2	+10.4	3,599	3,447	3,451	3,258
23,27, 31	All other nondurable goods	7,937	7,796	7,658	6,987	+1.8	+1.8	+13.6	7,630	7,486	7,555	6,721
	WORK IN PROCESS											
	All manufacturing industries	119,592	119,560	117,944	112,648	0.0	+1.4	+6.2	116,205	119,711	118,842	109,708
	Durable goods industries	100,799	100,824	99,390	95,310	0.0	+1.4	+5.8	97,891	100,946	100,300	92,804
32	Stone, clay, and glass products	1,066	1,058	1,053	1,003	+0.8	+0.5	+6.3	1,036	1,014	1,025	975
33	Primary metals	6,984	6,899	6,691	6,649	+1.2	+3.1	+5.0	6,786	6,746	6,677	6,447
34	Fabricated metal products	7,790	7,847	7,796	7,399	-0.7	+0.7	+5.3	7,500	7,817	7,787	7,126
35	Machinery, except electrical	16,618	16,601	16,692	17,111	+0.1	-0.5	-2.9	16,243	16,609	16,757	16,703
36	Electrical machinery	19,992	20,702	20,415	20,174	-3.4	+1.4	-0.9	19,543	20,799	20,637	19,722
37	Transportation equipment	39,858	39,407	38,459	34,548	+1.1	+2.5	+15.4	38,481	39,740	39,125	33,589
38	Instruments and related products	4,802	4,696	4,719	4,893	+2.3	-0.5	-1.9	4,637	4,670	4,734	4,741
24,25, 39	All other durable goods	3,689	3,614	3,565	3,533	+2.1	+1.4	+4.4	3,665	3,551	3,558	3,501
	Nondurable goods industries	18,793	18,736	18,554	17,338	+0.3	+1.0	+8.4	18,314	18,765	18,542	16,904
20	Food and kindred products	2,452	2,482	2,501	2,425	-1.2	-0.8	+1.1	2,436	2,503	2,513	2,417
21	Tobacco products	234	241	238	167	-2.9	+1.3	+40.1	237	243	240	168
22	Textile mill products	2,117	2,107	2,118	1,934	+0.5	-0.5	+9.5	2,097	2,117	2,119	1,918
26	Paper and allied products	1,254	1,220	1,230	1,204	+2.8	-0.8	+4.2	1,243	1,239	1,238	1,194
28	Chemicals and allied products	4,071	4,046	3,958	4,053	+0.6	+2.2	+0.4	3,869	4,084	4,007	3,862
29	Petroleum and coal products	2,401	2,556	2,523	1,942	-6.1	+1.3	+23.6	2,406	2,606	2,524	1,945
30	Rubber and plastics products	1,467	1,364	1,361	1,458	+7.6	+0.2	+0.6	1,469	1,370	1,365	1,460
23,27, 31	All other nondurable goods	4,797	4,720	4,625	4,155	+1.6	+2.1	+15.5	4,557	4,603	4,536	3,940
	FINISHED GOODS											
	All manufacturing industries	107,745	106,801	105,914	103,233	+0.9	+0.8	+4.4	105,512	106,061	105,027	101,008
	Durable goods industries	55,300	55,076	54,459	53,173	+0.4	+1.1	+4.0	53,885	53,726	53,097	51,719
32	Stone, clay, and glass products	3,831	3,868	3,866	3,775	-1.0	+0.1	+1.5	3,729	3,692	3,645	3,671
33	Primary metals	5,052	5,112	5,110	5,005	-1.2	0.0	+0.9	4,883	5,034	4,926	4,837
34	Fabricated metal products	6,504	6,728	6,720	6,462	-3.3	+0.1	+0.6	6,464	6,528	6,492	6,423
35	Machinery, except electrical	13,140	12,540	12,352	12,853	+4.8	+1.5	+2.2	12,817	12,508	12,191	12,520
36	Electrical machinery	9,151	9,117	8,960	8,622	+0.4	+1.8	+6.1	8,816	8,777	8,772	8,309
37	Transportation equipment	6,384	6,543	6,441	5,920	-2.4	+1.6	+7.8	6,328	6,552	6,475	5,799
38	Instruments and related products	3,736	3,636	3,609	3,659	+2.8	+0.7	+2.1	3,600	3,594	3,594	3,534
24,25, 39	All other durable goods	7,502	7,532	7,401	6,877	-0.4	+1.8	+9.1	7,248	7,041	7,002	6,626
	Nondurable goods industries	52,445	51,725	51,455	50,060	+1.4	+0.5	+4.8	51,627	52,335	51,930	49,289
20	Food and kindred products	12,911	12,808	12,761	12,482	+0.8	+0.4	+3.4	13,035	13,662	13,766	12,591
21	Tobacco products	889	821	842	707	+8.3	-2.5	+25.7	747	910	953	588
22	Textile mill products	2,851	2,834	2,861	2,814	+0.6	-0.9	+1.3	2,731	2,759	2,785	2,699
26	Paper and allied products	4,006	3,957	3,891	3,882	+1.2	+1.7	+3.2	3,908	3,875	3,759	3,787
28	Chemicals and allied products	14,383	14,154	14,121	13,828	+1.6	+0.2	+4.0	14,613	14,287	13,971	14,050
29	Petroleum and coal products	5,029	4,957	5,000	4,884	+1.5	-0.9	+3.0	4,904	5,333	5,162	4,760
30	Rubber and plastics products	4,240	4,219	4,195	3,967	+0.5	+0.6	+6.9	3,995	4,017	3,980	3,738
23,27, 31	All other nondurable goods	8,136	7,975	7,784	7,496	+2.0	+2.5	+8.5	7,694	7,492	7,554	7,076

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Dec. 1987P	Nov. 1987r	Oct. 1987	Dec. 1986r	Dec. 1987P	Nov. 1987r	Oct. 1987	Dec. 1986r
	All manufacturing industries	1.57	1.60	1.59	1.61	3.43	3.52	3.52	3.41
	Durable goods industries	1.91	1.99	1.97	1.95	4.22	4.38	4.38	4.22
32	Stone, clay, and glass products	1.35	1.35	1.32	1.44	0.53	0.54	0.53	0.58
33	Primary metals	1.54	1.63	1.68	2.09	1.99	2.04	2.11	2.10
34	Fabricated metal products	1.93	1.97	2.01	1.87	1.90	1.94	1.97	1.84
35	Machinery, except electrical	2.18	2.28	2.21	2.35	3.24	3.36	3.29	3.31
36	Electrical machinery	1.99	2.07	2.08	2.17	4.85	4.95	4.96	5.25
37	Transportation equipment	1.98	2.14	2.07	1.71	10.17	11.32	11.28	8.98
38	Instruments and related products	2.38	2.35	2.32	2.42	1.67	1.67	1.64	1.58
	Nondurable goods industries	1.19	1.17	1.17	1.21	0.54	0.54	0.55	0.47
20	Food and kindred products	0.87	0.86	0.85	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	2.56	2.99	4.36	2.67	(X)	(X)	(X)	(X)
22	Textile mill products	1.51	1.42	1.45	1.42	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.06	1.05	1.05	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.49	1.45	1.47	1.61	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.97	0.97	0.95	1.01	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.34	1.34	1.35	1.39	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Dec. 1986	All Decs. 1982-1986	Dec. 1986-Nov. 1987	Year ago Dec. 1986	All Decs. 1982-1986	Dec. 1986-Nov. 1987	Year ago Dec. 1986	All Decs. 1982-1986	Dec. 1986-Nov. 1987	Year ago Dec. 1986	All Decs. 1982-1986	Dec. 1986-Nov. 1987
	All manufacturing industries	0.5	0.6	0.2	0.4	0.6	0.4	0.0	0.3	0.1	0.1	0.2	0.1
	Durable goods industries	0.7	0.9	0.3	0.6	1.3	0.5	0.1	0.4	0.1	0.0	0.2	0.2
32	Stone, clay, and glass products	4.6	1.5	1.2	5.1	2.0	1.0	0.9	2.0	0.9	0.1	0.4	0.4
33	Primary metals	0.4	1.3	0.7	0.5	2.4	1.0	0.5	0.6	0.4	1.2	0.8	0.2
34	Fabricated metal products	0.8	0.8	0.6	0.4	0.6	1.0	0.3	0.3	0.5	0.5	0.9	0.2
35	Machinery, except electrical	1.8	1.4	1.0	1.4	3.9	1.2	0.1	0.8	0.2	0.5	0.2	0.2
36	Electrical machinery	0.2	2.8	0.3	0.8	2.0	0.7	0.2	0.5	0.1	0.2	0.6	0.1
37	Transportation equipment	0.0	1.2	0.1	0.4	2.2	0.4	0.1	0.3	0.1	0.1	0.3	0.1
38	Instruments and related products	2.0	1.6	1.1	3.2	1.2	1.1	0.6	0.6	0.4	0.2	0.5	0.1
	Nondurable goods industries	0.1	0.3	0.3	0.1	0.3	0.3	0.1	0.6	0.3	0.3	0.5	0.2
20	Food and kindred products	0.1	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.3
21	Tobacco products	0.0	0.6	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.3
22	Textile mill products	0.4	1.5	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.8	0.8	0.5
26	Paper and allied products	0.6	0.9	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.6	0.4
28	Chemicals and allied product	1.4	1.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.3	0.2
29	Petroleum and coal products	0.2	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.7	1.2	0.6
30	Rubber and plastics products	0.7	1.2	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	1.1	0.4
	Capital goods industries:												
	Nondefense	0.5	1.9	0.7	0.2	1.5	0.9	0.2	0.3	0.1	0.1	0.4	0.1
	Defense	0.2	1.0	0.1	0.9	9.7	0.9	0.1	0.6	0.0	0.1	0.8	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

Special Fourth Class
Rate—Book

PUBLICATION DATES FOR THE 1988 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January 1988	Tues., Feb. 23	Wed., Mar. 2
February	Tues., Mar. 22	Wed., Mar. 30
March	Fri., Apr. 22	Mon., May. 2
April	Tues., May 24	Wed., June 1
May	Wed., June 22	Thurs., June 30
June	Tues., Jul. 26	Tues., Aug. 2
July	Tues., Aug. 23	Tues., Aug. 30
August	Fri., Sept. 23	Mon., Oct. 3
September	Tues., Oct. 25	Wed., Nov. 2
October	Wed., Nov. 23	Fri., Dec. 2
November	Thurs., Dec. 22	Tues., Jan. 4, 1989
December	Thurs., Jan. 26, 1989	Fri., Feb. 3, 1989

3.158!
M3-1(88-1)

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

January 1988
M3-1(88)-1
For Wire Transmission 10:00 a.m. EST Wednesday, March 2, 1988

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in January decreased $1.3 billion or 0.6 percent from December to $212.6 billion. New orders for durable goods decreased $1.8 billion or 1.5 percent to $113.9 billion; this revises the earlier reported decline of 2.8 percent, with most of the revision in the aircraft and parts industry. New orders for nondurable goods were up $0.5 billion or 0.5 percent to $98.7 billion.

Shipments of manufactured goods declined in January $3.7 billion or 1.7 percent to $207.7 billion. All of the decline was in the durable goods sector, down $3.9 billion or 3.5 percent to $109.1 billion. Shipments of nondurable goods increased $0.3 billion or 0.3 percent to $98.6 billion.

Unfilled orders for manufactured goods increased $4.9 billion or 1.2 percent to $408.4 billion. This is the largest one-month increase since the 1.7 percent increase last July.

Current cost inventories at the end of January were up $2.7 billion or 0.8 percent to $336.3 billion. Durable goods inventories increased 0.9 percent and nondurables 0.6 percent. The inventory to shipments ratio for January was 1.62 up from 1.58 in December.

New Orders

Within the durable goods sector, large declines in orders for transportation equipment and primary metals more than offset increases in the machinery categories. Transportation was down $2.7 billion or 8.8 percent to $28.4 billion; aircraft and parts dropped $2.2 billion or 17.4 percent and motor vehicles and parts $0.9 billion or 5.5 percent. Primary metals declined $1.8 billion or 15.0 percent to $10.2 billion, following 10.0 percent increase in December.

Both electrical and nonelectrical machinery orders increased in January. Electrical machinery was up $1.1 billion or 5.8 percent to $20.9 billion; increases were widespread in the specific categories. Nonelectrical machinery increased $1.3 billion or 6.8 percent to $20.5 billion. Most of the increase was in office and computing equipment, up $1.1 billion or 24.2 percent to $5.7 billion.

Within nondurables, declines in tobacco and petroleum products were more than offset by increases in most of the other categories.

Shipments

The decline in durable goods shipments of 3.5 percent resulted from decreases in nearly all categories except machinery. Transportation equipment declined $3.5 billion or 12.0 percent to $25.6 billion, with all categories except railroad equipment decreasing. Primary metals declined $0.9 billion or 8.1 percent to $10.4 billion with both steel and nonferrous declining.

Electrical machinery shipments increased $0.4 billion or 2.2 percent to $19.9 billion with a mixed pattern of change in the specific categories. Nonelectrical machinery increased $0.4 billion or 2.2 percent to $19.8 billion; an increase in office and computing equipment more than offset declines in most of the other categories.

Shipments of nondurable goods were up 0.3 percent; declines in tobacco and petroleum products were offset by increases in most of the other categories.

Unfilled Orders

Unfilled orders for durable goods increased $4.8 billion or 1.2 percent to $394.6 billion. Transportation equipment increased $2.8 billion or 1.6 percent, all of which was in aircraft and parts. Electrical machinery increased $1.0 billion or 1.1 percent, most of which was in communication equipment. Nonelectrical machinery increased $0.7 billion or 1.2 percent, reflecting scattered smaller increases.

Inventories

Increases in inventories of durable goods manufacturers were widespread. Transportation equipment was up $0.6 billion or 1.0 percent; primary metals were up $0.5 billion or 2.9 percent; and nonelectrical machinery was up $0.5 billion or 1.1 percent. The largest increases in inventories of nondurable goods manufacturers were in chemicals, rubber and plastics, and printing and publishing; the largest declines were in petroleum products and apparel.

Inventories in all stages of processing increased in January. Materials and supplies were up 0.7 percent, work in process 0.6 percent and finished goods 1.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for February 1988 is scheduled for March 22, 1988, at 8:30 a.m. and the full report on March 30, 1988, at 10:00 a.m. The schedule of release dates for 1988 can be found on back page of this publication.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the data of issue through the Census Bureau's online information service—CENDATA™ The online version of the report can be read from a terminal screen, printed on— or off—line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800- 848-8199). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1988P	Dec. 1987r	Nov. 1987	Jan. 1987r	Dec.-Jan.P	Nov.-Dec.r	Jan.-88/87	Jan. 1988P	Dec. 1987r	Nov. 1987	Jan. 1987	1988P	1987
	All manufacturing industries	207,691	211,356	207,226	189,642	-1.7	+2.0	+9.5	191,148	204,228	205,722	174,671	191,148	174,671
	Manufacturing industries with unfilled orders	115,044	117,647	113,970	102,895	-2.2	+3.2	+11.8	104,101	116,263	113,921	93,339	104,101	93,339
	Durable goods industries	109,100	113,026	108,378	99,255	-3.5	+4.3	+9.9	98,193	108,872	107,625	89,625	98,193	89,625
	With unfilled orders	89,075	92,305	88,339	79,422	-3.5	+4.5	+12.2	79,711	91,371	88,158	71,317	79,711	71,317
32	Stone, clay, and glass products	5,163	5,280	5,282	4,986	-2.2	0.0	+3.5	4,454	4,552	5,132	4,297	4,454	4,297
33	Primary metals	10,365	11,273	10,608	8,068	-8.1	+6.3	+28.5	9,800	10,205	10,152	7,647	9,800	7,647
331	Blast furnaces, steel mills	4,411	4,794	4,741	3,358	-8.0	+1.1	+31.4	4,248	4,404	4,451	3,240	4,248	3,240
332	Iron and steel foundries	745	815	807	795	-8.6	+1.0	-6.3	697	680	813	747	697	747
333-9	Nonferrous and other primary metals	5,209	5,664	5,060	3,915	-8.0	+11.9	+33.1	4,855	5,121	4,888	3,660	4,855	3,660
34	Fabricated metal products	11,174	11,460	11,166	10,937	-2.5	+2.6	+2.2	10,192	10,445	10,928	10,030	10,192	10,030
35	Machinery, except electrical	19,775	19,351	18,103	16,597	+2.2	+6.9	+19.1	16,673	20,615	17,776	14,076	16,673	14,076
351	Engines and turbines	1,208	1,674	1,405	1,029	-27.8	+19.1	+17.4	1,104	1,607	1,370	944	1,104	944
353	Construction, mining, and material handling equipment	2,490	2,426	2,372	1,814	+2.6	+2.3	+37.3	2,226	2,344	2,392	1,616	2,226	1,616
354	Metalworking machinery	854	804	821	707	+6.2	-2.1	+20.8	707	829	822	589	707	589
357	Office and computing machines	5,668	4,818	4,514	4,532	+17.6	+6.7	+25.1	3,792	6,822	4,797	3,024	3,792	3,024
36	Electrical machinery	19,894	19,471	19,377	17,594	+2.2	+0.5	+13.1	17,605	20,244	19,928	15,586	17,605	15,586
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,419	2,206	2,329	2,086	+9.7	-5.3	+16.0	2,112	2,291	2,321	1,826	2,112	1,826
363	Household appliances	1,557	1,532	1,544	1,491	+1.6	-0.8	+4.4	1,418	1,352	1,454	1,367	1,418	1,367
365	Radio and TV	1,033	1,036	1,172	1,147	-0.3	-11.6	-9.9	945	1,026	1,269	1,051	945	1,051
366	Communication equipment	6,369	6,448	6,196	5,811	-1.2	+4.1	+9.6	5,288	7,547	6,399	4,837	5,288	4,837
367	Electronic components	4,719	4,711	4,509	3,904	+0.2	+4.5	+20.9	4,360	4,414	4,530	3,611	4,360	3,611
364,9	Other electrical machinery	3,797	3,538	3,627	3,155	+7.3	-2.5	+20.3	3,482	3,614	3,955	2,894	3,482	2,894
37	Transportation equipment	25,645	29,156	27,107	25,540	-12.0	+7.6	+0.4	24,532	26,979	27,452	24,426	24,532	24,426
371	Motor vehicles and parts	16,196	17,050	17,116	16,710	-5.0	-0.4	-3.1	15,835	14,348	17,425	16,322	15,835	16,322
372,6	Aircraft, missiles, and parts	7,690	10,182	8,438	7,258	-24.5	+20.7	+6.0	6,976	10,687	8,461	6,567	6,976	6,567
3731,95	Shipbuilding and military tank vehicles	776	1,049	749	651	-26.0	+40.1	+19.2	776	1,049	749	651	776	651
38	Instruments and related products	5,464	5,398	5,375	4,878	+1.2	+0.4	+12.0	4,985	5,597	5,389	4,439	4,985	4,439
381-4	Scientific and engineering instruments	3,686	3,614	3,585	3,200	+2.0	+0.8	+15.2	3,491	3,788	3,478	3,026	3,491	3,026
386	Photographic goods	1,589	1,599	1,618	1,508	-0.6	-1.2	+5.4	1,344	1,658	1,737	1,279	1,344	1,279
24,25, 39	All other durable goods	11,620	11,637	11,360	10,655	-0.1	+2.4	+9.1	9,952	10,235	10,868	9,124	9,952	9,124
	Nondurable goods industries	98,591	98,330	98,848	90,387	+0.3	-0.5	+9.1	92,955	95,356	98,097	85,046	92,955	85,046
	With unfilled orders	25,969	25,342	25,631	23,473	+2.5	-1.1	+10.6	24,390	24,892	25,763	22,022	24,390	22,022
20	Food and kindred products	29,276	28,389	28,646	26,976	+3.1	-0.9	+8.5	27,179	28,411	28,604	25,019	27,179	25,019
202	Dairy products	3,948	4,007	4,002	3,808	-1.5	+0.1	+3.7	3,755	3,867	3,979	3,624	3,755	3,624
208	Beverages	3,753	3,774	3,633	3,651	-0.6	+3.9	+2.8	3,265	3,375	3,420	3,165	3,265	3,165
203-6,9	All other foods	13,733	12,841	13,212	12,214	+6.9	-2.8	+12.4	12,634	13,300	13,372	11,214	12,634	11,214
21	Tobacco products	920	2,169	1,874	782	-57.6	+15.7	+17.6	920	2,169	1,874	782	920	782
22	Textile mill products	4,707	4,587	4,880	4,552	+2.6	-6.0	+3.4	4,088	4,350	4,795	3,948	4,088	3,948
221-4,6, 8,9	Broadwoven fabrics	2,880	2,763	3,044	2,722	+4.2	-9.2	+5.8	2,572	2,775	2,924	2,432	2,572	2,432
26	Paper and allied products	10,704	10,600	10,451	9,235	+1.0	+1.4	+15.9	10,416	10,112	10,071	8,983	10,416	8,983
261-3,6	Pulp, paper etc.	4,841	4,742	4,597	4,092	+2.1	+3.2	+18.3	4,663	4,668	4,495	3,936	4,663	3,936
265	Paperboard containers	2,277	2,331	2,248	1,891	-2.3	+3.7	+20.4	2,227	2,117	2,145	1,849	2,227	1,849
264	All other paper products	3,586	3,527	3,606	3,252	+1.7	-2.2	+10.3	3,526	3,327	3,431	3,198	3,526	3,198
28	Chemicals and allied products	19,141	18,626	18,850	17,010	+2.8	-1.2	+12.5	18,766	18,250	17,687	16,633	18,766	16,633
281,6	Industrial chemicals, except pigments	5,438	5,394	5,283	4,886	+0.8	+2.1	+11.3	5,172	5,309	5,145	4,644	5,172	4,644
283,4	Drugs, soaps, and toiletries	6,638	6,162	6,207	5,981	+7.7	-0.7	+11.0	6,665	6,269	5,848	5,978	6,665	5,978
282,9	Other chemical products	4,562	4,497	4,630	3,964	+1.4	-2.9	+15.1	4,343	4,373	4,502	3,772	4,343	3,772
29	Petroleum and coal products	10,297	10,796	11,099	10,012	-4.6	-2.7	+2.8	10,111	10,630	11,068	9,768	10,111	9,768
30	Rubber and plastics products	6,848	6,869	6,826	6,306	-0.3	+0.6	+8.6	6,370	6,212	6,827	5,859	6,370	5,859
23,27, 31	All other nondurable goods	16,698	16,294	16,222	15,514	+2.5	+0.4	+7.6	15,105	15,222	17,171	14,054	15,105	14,054
	Market categories:													
	Home goods and apparel	14,066	13,725	13,677	13,211	+2.5	+0.4	+6.5	12,047	11,510	14,101	11,340	12,047	11,340
	Consumer staples	41,240	40,852	40,859	37,828	+0.9	0.0	+9.0	38,568	41,117	40,970	35,342	38,568	35,342
	Equipment and defense products, except automotive	34,258	35,361	32,282	29,547	-3.1	+9.5	+15.9	29,298	38,602	32,203	25,270	29,298	25,270
	Automotive equipment	18,244	18,927	19,053	18,677	-3.6	-0.7	-2.3	17,746	16,056	19,324	18,149	17,746	18,149
	Construction materials, supplies and intermediate products	16,413	16,817	16,600	15,633	-2.4	+1.3	+5.0	13,971	14,685	15,858	13,275	13,971	13,275
	Other materials, supplies, and intermediate products	83,470	85,674	84,755	74,746	-2.6	+1.1	+11.7	79,518	82,258	83,266	71,295	79,518	71,295
	Supplementary series:[2]													
	Capital goods industries	39,191	40,825	37,862	34,009	-4.0	+7.8	+15.2	33,667	44,343	38,326	29,298	33,667	29,298
	Nondefense	30,800	30,731	28,622	25,655	+0.2	+7.4	+20.1	26,224	33,415	28,916	21,897	26,224	21,897
	Defense	8,391	10,094	9,240	8,354	-16.9	+9.2	+0.4	7,443	10,928	9,410	7,401	7,443	7,401
	Household durable goods industries	6,718	6,433	6,566	6,199	+4.4	-2.0	+8.4	5,743	5,752	6,612	5,326	5,743	5,326

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987[r]	Dec.-Jan.[p]	Nov.-Dec.[r]	Jan.-88/87	Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987	1988[p]	1987
	All manufacturing industries	212,571	213,822	209,626	187,629	-0.6	+2.0	+13.3	199,902	208,377	209,404	176,302	199,902	176,302
	Manufacturing industries with unfilled orders	119,924	120,113	116,370	100,882	-0.2	+3.2	+18.9	112,855	120,412	117,603	94,970	112,855	94,970
	Durable goods industries	113,861	115,620	110,949	96,913	-1.5	+4.2	+17.5	106,641	113,164	111,659	90,761	106,641	90,761
	With unfilled orders	93,836	94,899	90,910	77,080	-1.1	+4.4	+21.7	88,159	95,663	92,192	72,453	88,159	72,453
32	Stone, clay, and glass products	5,139	5,202	5,301	4,960	-1.2	-1.9	+3.6	4,490	4,490	5,144	4,333	4,490	4,333
33	Primary metals	10,197	11,997	10,903	7,642	-15.0	+10.0	+33.4	10,758	11,464	10,463	8,133	10,758	8,133
331	Blast furnaces, steel mills	4,231	5,333	5,053	3,084	-20.7	+5.5	+37.2	4,573	5,339	4,873	3,409	4,573	3,409
332	Iron and steel foundries	754	824	905	789	-8.5	-9.0	-4.4	843	628	905	873	843	873
333-9	Nonferrous and other primary metals	5,212	5,840	4,945	3,769	-10.8	+18.1	+38.3	5,342	5,497	4,685	3,851	5,342	3,851
34	Fabricated metal products	10,999	11,472	11,290	10,857	-4.1	+1.6	+1.3	10,077	10,556	10,998	9,992	10,077	9,992
35	Machinery, except electrical	20,493	19,195	18,024	16,038	+6.8	+6.5	+27.8	17,548	19,810	17,917	13,695	17,548	13,695
351	Engines and turbines	1,258	1,206	1,376	652	+4.3	-12.4	+92.9	1,073	1,068	1,357	492	1,073	492
353	Construction, mining, and material handling equipment	2,473	2,708	2,361	1,721	-8.7	+14.7	+43.7	2,242	2,664	2,432	1,539	2,242	1,539
354	Metalworking machinery	935	840	792	731	+11.3	+6.1	+27.9	820	735	775	636	820	636
357	Office and computing machines	5,690	4,582	4,309	4,072	+24.2	+6.3	+39.7	3,671	6,080	4,762	2,467	3,671	2,467
36	Electrical machinery	20,910	19,762	20,288	16,162	+5.8	-2.6	+29.4	19,454	20,373	20,134	14,925	19,454	14,925
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,446	2,100	2,310	2,104	+16.5	-9.1	+16.3	2,171	2,172	2,286	1,885	2,171	1,885
363	Household appliances	1,612	1,568	1,525	1,436	+2.8	+2.8	+12.3	1,502	1,378	1,439	1,346	1,502	1,346
365	Radio and TV	1,035	965	1,173	1,137	+7.3	-17.7	-9.0	947	955	1,270	1,041	947	1,041
366	Communication equipment	7,098	6,761	6,727	5,285	+5.0	+0.5	+34.3	6,747	7,671	6,497	4,926	6,747	4,926
367	Electronic components	4,905	4,753	4,905	2,996	+3.2	-3.1	+63.7	4,614	4,530	4,693	2,806	4,614	2,806
364,9	Other electrical machinery	3,814	3,615	3,648	3,204	+5.5	-0.9	+19.0	3,473	3,667	3,949	2,921	3,473	2,921
37	Transportation equipment	28,427	31,155	28,603	25,125	-8.8	+8.9	+13.1	28,748	31,037	31,099	25,492	28,748	25,492
372,6	Aircraft, missiles, and parts	10,530	12,755	9,094	7,046	-17.4	+40.3	+49.4	11,318	15,433	10,990	7,838	11,318	7,838
3731,95	Shipbuilding and military tank vehicles	861	465	1,547	441	+85.2	-69.9	+95.2	683	276	1,884	308	683	308
38	Instruments and related products	5,652	5,411	5,437	5,102	+4.5	-0.5	+10.8	5,194	5,617	5,400	4,682	5,194	4,682
381-4	Scientific and engineering instruments	3,856	3,673	3,726	3,425	+5.0	-1.4	+12.6	3,661	3,847	3,619	3,251	3,661	3,251
24,25, 39	All other durable goods	12,044	11,426	11,103	11,027	+5.4	+2.9	+9.2	10,372	9,817	10,504	9,509	10,372	9,509
	Nondurable goods industries	98,710	98,202	98,677	90,716	+0.5	-0.5	+8.8	93,261	95,213	97,745	85,541	93,261	85,541
	With unfilled orders	26,088	25,214	25,460	23,802	+3.5	-1.0	+9.6	24,696	24,749	25,411	22,517	24,696	22,517
	Market categories:													
	Home goods and apparel	14,437	13,463	13,500	13,637	+7.2	-0.3	+5.9	12,553	11,161	13,802	11,863	12,553	11,863
	Consumer staples	41,169	40,899	40,888	37,803	+0.7	0.0	+8.9	38,535	41,182	40,983	35,369	38,535	35,369
	Equipment and defense products, except automotive	35,890	35,353	34,434	28,224	+1.5	+2.7	+27.2	33,152	39,667	36,252	26,131	33,152	26,131
	Automotive equipment	18,108	18,880	19,098	18,681	-4.1	-1.1	-3.1	17,720	16,084	19,310	18,284	17,720	18,284
	Construction materials, supplies and intermediate products	16,294	17,097	16,799	15,473	-4.7	+1.8	+5.3	13,987	14,843	16,001	13,237	13,987	13,237
	Other materials, supplies, and intermediate products	86,673	88,130	84,907	73,811	-1.7	+3.8	+17.4	83,955	85,440	83,056	71,418	83,955	71,418
	Supplementary series:[2]													
	Capital goods industries	43,453	42,927	39,824	32,584	+1.2	+7.8	+33.4	40,127	47,525	42,262	30,010	40,127	30,010
	Nondefense	34,746	33,879	30,085	26,771	+2.6	+12.6	+29.8	30,314	35,848	30,576	23,185	30,314	23,185
	Defense	8,707	9,048	9,739	5,813	-3.8	-7.1	+49.8	9,813	11,677	11,686	6,825	9,813	6,825
	Household durable goods industries	7,033	6,205	6,361	6,518	+13.3	-2.5	+7.9	6,163	5,478	6,362	5,741	6,163	5,741

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987[r]	Dec.-Jan.[p]	Nov.-Dec.[r]	Jan.-88/87	Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987
	All manufacturing industries	408,376	403,496	401,030	370,961	+1.2	+0.6	+10.1	409,168	400,414	396,265	372,041
	Durable goods industries	394,621	389,860	387,266	359,513	+1.2	+0.7	+9.8	395,593	387,145	382,853	360,672
32	Stone, clay, and glass products	2,541	2,565	2,643	2,508	-0.9	-3.0	+1.3	2,503	2,467	2,529	2,466
33	Primary metals	22,167	22,335	21,611	16,892	-0.8	+3.4	+31.2	22,563	21,605	20,346	17,213
331	Blast furnaces, steel mills	12,071	12,251	11,712	8,891	-1.5	+4.6	+35.8	12,204	11,879	10,944	9,020
332	Iron and steel foundries	2,987	2,978	2,969	2,752	+0.3	+0.3	+8.5	3,044	2,898	2,950	2,802
333-9	Nonferrous and other primary metals	7,109	7,106	6,930	5,249	0.0	+2.5	+35.4	7,315	6,828	6,452	5,391
34	Fabricated metal products	19,381	19,556	19,544	18,813	-0.9	+0.1	+3.0	19,235	19,350	19,239	18,659
35	Machinery, except electrical	58,382	57,664	57,820	54,737	+1.2	-0.3	+6.7	57,790	56,915	57,720	54,177
351	Engines and turbines	14,609	14,559	15,027	14,018	+0.3	-3.1	+4.2	14,654	14,685	15,224	14,053
353	Construction, mining, and material handling equipment	4,833	4,850	4,568	4,207	-0.4	+6.2	+14.9	4,901	4,885	4,565	4,258
354	Metalworking machinery	3,119	3,038	3,002	3,171	+2.7	+1.2	-1.6	3,050	2,937	3,031	3,102
357	Office and computing machines	18,902	18,880	19,116	18,769	+0.1	-1.2	+0.7	18,146	18,267	19,009	18,076
36	Electrical machinery	97,249	96,233	95,942	92,412	+1.1	+0.3	+5.2	96,653	94,804	94,675	91,909
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,554	5,527	5,633	5,412	+0.5	-1.9	+2.6	5,533	5,474	5,593	5,387
363	Household appliances	275	220	184	235	+25.0	+19.6	+17.0	283	199	173	242
365	Radio and TV	362	360	431	353	+0.6	-16.5	+2.5	362	360	431	353
366	Communication equipment	71,182	70,453	70,140	69,503	+1.0	+0.4	+2.4	71,024	69,565	69,441	69,375
367	Electronic components	17,982	17,796	17,754	15,143	+1.0	+0.2	+18.7	17,604	17,350	17,234	14,826
364,9	Other electrical machinery	1,894	1,877	1,800	1,766	+0.9	+4.3	+7.2	1,847	1,856	1,803	1,726
37	Transportation equipment	179,585	176,803	174,804	160,550	+1.6	+1.1	+11.9	181,787	177,571	173,513	162,855
372,6	Aircraft, missiles, and parts	155,049	152,209	149,636	137,459	+1.9	+1.7	+12.8	157,579	153,237	148,491	139,997
3731,95	Shipbuilding and military tank vehicles	18,513	18,428	19,012	17,252	+0.5	-3.1	+7.3	18,185	18,278	19,051	17,003
38	Instruments and related products	9,158	8,970	8,957	8,639	+2.1	+0.1	+8.5	9,130	8,921	8,901	8,418
381-4	Scientific and engineering instruments	8,216	8,046	7,987	7,629	+2.1	+0.7	+7.7	8,216	8,046	7,987	7,629
24,25, 39	All other durable goods	6,158	5,734	5,945	5,162	+7.4	-3.5	+19.3	5,932	5,512	5,930	4,975
	Nondurable goods industries	13,755	13,636	13,764	11,448	+0.9	-0.9	+20.2	13,575	13,269	13,412	11,369
	Market categories:											
	Home goods and apparel	4,781	4,410	4,672	3,937	+8.4	-5.6	+21.4	4,630	4,124	4,473	3,855
	Consumer staples	627	698	651	745	-10.2	+7.2	-15.8	662	695	630	790
	Equipment and defense products, except automotive	253,828	252,196	252,204	237,473	+0.6	0.0	+6.9	255,015	251,161	250,096	238,848
	Automotive equipment	5,599	5,735	5,782	5,623	-2.4	-0.8	-0.4	5,599	5,625	5,597	5,639
	Construction materials, supplies and intermediate products	10,474	10,593	10,313	10,272	-1.1	+2.7	+2.0	10,261	10,245	10,087	10,050
	Other materials, supplies, and intermediate products	133,067	129,864	127,408	112,911	+2.5	+1.9	+17.9	133,001	128,564	125,382	112,859
	Supplementary series:[2]											
	Capital goods industries	313,535	309,273	307,171	288,493	+1.4	+0.7	+8.7	314,918	308,458	305,276	290,026
	Nondefense	150,240	146,294	143,146	128,936	+2.7	+2.2	+16.5	149,579	145,489	143,056	128,308
	Defense	163,295	162,979	164,025	159,557	+0.2	-0.6	+2.3	165,339	162,969	162,220	161,718
	Household durable goods industries	3,764	3,449	3,677	3,388	+9.1	-6.2	+11.1	3,753	3,333	3,607	3,375

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987[r]	Dec.-Jan.[p]	Nov.-Dec.[r]	Jan.-88/87	Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987
	All manufacturing industries	336,340	333,656	331,812	320,223	+0.8	+0.6	+5.0	334,631	328,816	330,713	318,578
	Manufacturing industries with unfilled orders	228,622	226,271	225,417	217,980	+1.0	+0.4	+4.9	225,650	221,475	223,909	215,212
	Durable goods industries	218,773	216,753	215,931	208,935	+0.9	+0.4	+4.7	216,633	212,704	214,613	206,933
	With unfilled orders	200,721	198,791	198,103	192,093	+1.0	+0.3	+4.5	198,232	194,711	197,081	189,773
32	Stone, clay, and glass products	7,110	7,162	7,135	7,208	-0.7	+0.4	-1.4	6,997	7,045	6,909	7,095
33	Primary metals	18,054	17,542	17,249	17,124	+2.9	+1.7	+5.4	17,873	17,404	17,231	16,942
331	Blast furnaces, steel mills	8,415	8,022	7,849	7,809	+4.9	+2.2	+7.8	8,230	8,011	7,992	7,635
332	Iron and steel foundries	1,258	1,270	1,255	1,116	-0.9	+1.2	+12.7	1,245	1,235	1,203	1,105
333-9	Nonferrous and other primary metals	8,381	8,250	8,145	8,199	+1.6	+1.3	+2.2	8,398	8,158	8,036	8,202
34	Fabricated metal products	22,426	22,072	21,971	21,314	+1.6	+0.5	+5.2	22,298	21,738	21,631	21,193
35	Machinery, except electrical	41,868	41,418	41,191	41,324	+1.1	+0.6	+1.3	41,599	40,730	41,136	41,055
351	Engines and turbines	2,862	2,856	2,820	2,795	+0.2	+1.3	+2.4	2,767	2,675	2,882	2,698
353	Construction, mining, and material handling equipment	6,782	6,483	6,401	6,842	+4.6	+1.3	-0.9	6,775	6,478	6,433	6,834
354	Metalworking machinery	2,861	2,925	2,953	2,954	-2.2	-0.9	-3.1	2,844	2,834	2,938	2,937
357	Office and computing machines	9,979	9,954	9,812	9,794	+0.3	+1.4	+1.9	9,769	9,705	9,767	9,590
36	Electrical machinery	40,039	39,975	40,190	39,096	+0.2	-0.5	+2.4	39,456	39,213	39,716	38,531
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,817	4,917	4,804	4,917	-2.0	+2.4	-2.0	4,800	4,792	4,761	4,897
363	Household appliances	2,864	2,877	2,837	2,730	-0.5	+1.4	+4.9	2,792	2,707	2,641	2,669
365	Radio and TV	1,690	1,623	1,622	1,728	+4.1	+0.1	-2.2	1,575	1,514	1,562	1,609
366	Communication equipment	16,535	16,503	17,004	16,297	+0.2	-2.9	+1.5	16,396	16,362	16,982	16,165
367	Electronic components	8,368	8,317	8,269	7,728	+0.6	+0.6	+8.3	8,318	8,268	8,179	7,681
364,9	Other electrical machinery	5,765	5,738	5,654	5,696	+0.5	+1.5	+1.2	5,575	5,570	5,591	5,510
37	Transportation equipment	58,646	58,079	57,889	53,490	+1.0	+0.3	+9.6	57,736	56,583	58,248	52,716
371	Motor vehicles and parts	11,614	11,413	11,459	11,036	+1.8	-0.4	+5.2	11,764	11,465	11,598	11,183
372,6	Aircraft, missiles, and parts	43,145	42,940	42,397	38,858	+0.5	+1.3	+11.0	42,090	41,347	42,540	37,946
3731,95	Shipbuilding and military tank vehicles	2,116	2,043	2,216	1,995	+3.6	-7.8	+6.1	2,074	1,997	2,252	1,950
38	Instruments and related products	12,749	12,710	12,619	12,570	+0.3	+0.7	+1.4	12,569	12,367	12,527	12,391
381-4	Scientific and engineering instruments	9,165	9,117	9,048	9,074	+0.5	+0.8	+1.0	9,037	8,963	9,069	8,950
386	Photographic goods	2,947	2,948	2,911	2,905	0.0	+1.3	+1.4	2,912	2,792	2,835	2,864
24,25, 39	All other durable goods	17,881	17,795	17,687	16,809	+0.5	+0.6	+6.4	18,105	17,624	17,215	17,010
	Nondurable goods industries	117,567	116,903	115,881	111,288	+0.6	+0.9	+5.6	117,998	116,112	116,100	111,645
	With unfilled orders	27,901	27,480	27,314	25,887	+1.5	+0.6	+7.8	27,418	26,764	26,828	25,439
20	Food and kindred products	24,759	24,778	24,691	23,769	-0.1	+0.4	+4.2	25,335	25,181	25,797	24,292
202	Dairy products	2,415	2,404	2,388	2,026	+0.5	+0.7	+19.2	2,374	2,328	2,346	1,991
208	Beverages	4,386	4,445	4,525	4,687	-1.3	-1.8	-6.4	4,404	4,425	4,403	4,711
203-6,9	All other foods	14,386	14,364	14,179	14,041	+0.2	+1.3	+2.5	14,774	14,794	15,173	14,407
21	Tobacco products	5,619	5,569	5,600	5,604	+0.9	-0.6	+0.3	6,074	5,890	5,668	6,051
22	Textile mill products	6,881	6,874	6,930	6,679	+0.1	-0.8	+3.0	6,776	6,674	6,753	6,578
221-4,6, 8,9	Broadwoven fabrics	3,847	3,839	3,883	3,774	+0.2	-1.1	+1.9	3,797	3,748	3,816	3,724
26	Paper and allied products	11,340	11,284	10,995	10,543	+0.5	+2.6	+7.6	11,334	11,177	10,868	10,530
261-3,6	Pulp, paper etc.	4,206	4,266	4,155	4,082	-1.4	+2.7	+3.0	4,260	4,261	4,084	4,132
265	Paperboard containers	2,992	2,815	2,860	2,637	+6.3	-1.6	+13.5	3,040	2,810	2,791	2,671
264	All other paper products	4,142	4,203	3,980	3,824	-1.5	+5.6	+8.3	4,034	4,106	3,993	3,727
28	Chemicals and allied products	28,325	27,743	27,321	27,158	+2.1	+1.5	+4.3	28,365	27,650	27,377	27,171
281,6	Industrial chemicals, except pigments	8,500	8,255	8,126	8,179	+3.0	+1.6	+3.9	8,500	8,255	8,126	8,179
283,4	Drugs, soaps, and toiletries	9,131	9,174	9,019	8,714	-0.5	+1.7	+4.8	8,967	8,985	9,048	8,554
282,9	Other chemical products	6,942	6,664	6,552	6,452	+4.2	+1.7	+7.6	7,032	6,647	6,412	6,506
29	Petroleum and coal products	10,201	10,646	10,732	10,008	-4.2	-0.8	+1.9	10,270	10,585	11,222	10,057
30	Rubber and plastics products	9,509	9,220	9,121	8,601	+3.1	+1.1	+10.6	9,456	9,089	8,834	8,540
23,27, 31	All other nondurable goods	20,933	20,789	20,491	18,926	+0.7	+1.5	+10.6	20,388	19,866	19,581	18,426
	Market categories:											
	Home goods and apparel	26,947	27,040	26,628	25,301	-0.3	+1.5	+6.5	26,567	26,044	25,306	24,943
	Consumer staples	42,789	42,717	42,476	41,535	+0.2	+0.6	+3.0	43,368	42,939	43,320	42,102
	Equipment and defense products, except automotive	95,811	95,149	95,108	92,422	+0.7	0.0	+3.7	94,872	93,442	95,272	91,527
	Automotive equipment	14,065	13,837	13,919	13,381	+1.6	-0.6	+5.1	14,241	13,929	14,018	13,553
	Construction materials, supplies and intermediate products	24,527	24,196	23,989	22,947	+1.4	+0.9	+6.9	24,454	23,895	23,478	22,851
	Other materials, supplies, and intermediate products	132,201	130,717	129,692	124,637	+1.1	+0.8	+6.1	131,129	128,567	129,319	123,602
	Supplementary series:[2]											
	Capital goods industries	111,503	110,830	110,672	106,510	+0.6	+0.1	+4.7	109,688	108,020	110,703	104,856
	Nondefense	74,403	73,804	73,063	72,270	+0.8	+1.0	+3.0	73,468	72,186	73,328	71,383
	Defense	37,100	37,026	37,609	34,240	+0.2	-1.6	+8.4	36,220	35,834	37,375	33,473
	Household durable goods industries	13,450	13,384	13,370	13,085	+0.5	+0.1	+2.8	13,264	12,892	12,806	12,911

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Jan. 1988p	Dec. 1987r	Nov. 1987	Jan. 1987r	Dec.-Jan.p	Nov.-Dec.r	Jan.-88/87	Jan. 1988p	Dec. 1987r	Nov. 1987	Jan. 1987
	MATERIALS AND SUPPLIES											
	All manufacturing industries	107,008	106,216	105,451	102,719	+0.7	+0.7	+4.2	107,858	106,969	104,941	103,427
	Durable goods industries	60,848	60,494	60,031	59,738	+0.6	+0.8	+1.9	60,955	60,728	59,941	59,740
32	Stone, clay, and glass products	2,242	2,270	2,209	2,272	-1.2	+2.8	-1.3	2,230	2,275	2,203	2,247
33	Primary metals	5,562	5,425	5,238	5,592	+2.5	+3.6	-0.5	5,609	5,628	5,451	5,636
34	Fabricated metal products	8,004	7,691	7,396	7,398	+4.1	+4.0	+8.2	7,992	7,703	7,286	7,383
35	Machinery, except electrical	12,074	12,085	12,050	11,681	-0.1	+0.3	+3.4	12,079	12,113	12,019	11,666
36	Electrical machinery	10,429	10,378	10,371	10,329	+0.5	+0.1	+1.0	10,399	10,378	10,140	10,294
37	Transportation equipment	11,578	11,803	11,939	12,129	-1.9	-1.1	-4.5	11,541	11,700	11,956	12,048
38	Instruments and related products	4,245	4,214	4,287	4,022	+0.7	-1.7	+5.5	4,237	4,171	4,263	4,009
24,25, 39	All other durable goods	6,714	6,628	6,541	6,315	+1.3	+1.3	+6.3	6,868	6,760	6,623	6,457
	Nondurable goods industries	46,160	45,722	45,420	42,981	+1.0	+0.7	+7.4	46,903	46,241	45,000	43,687
20	Food and kindred products	9,425	9,439	9,401	8,787	-0.1	+0.4	+7.3	9,857	9,738	9,632	9,183
21	Tobacco products	4,470	4,439	4,538	4,703	+0.7	-2.2	-5.0	4,886	4,905	4,515	5,117
22	Textile mill products	1,998	1,963	1,989	1,790	+1.8	-1.3	+11.6	1,960	1,912	1,877	1,758
26	Paper and allied products	6,156	6,035	5,818	5,356	+2.0	+3.7	+14.9	6,156	6,042	5,754	5,352
28	Chemicals and allied products	9,311	9,186	9,121	9,083	+1.4	+0.7	+2.5	9,305	9,146	9,006	9,086
29	Petroleum and coal products	3,027	3,190	3,219	2,992	-5.1	-0.9	+1.2	3,036	3,200	3,283	2,994
30	Rubber and plastics products	3,688	3,525	3,538	3,205	+4.6	-0.4	+15.1	3,714	3,636	3,447	3,216
23,27, 31	All other nondurable goods	8,085	7,945	7,796	7,065	+1.8	+1.9	+14.4	7,989	7,662	7,486	6,981
	WORK IN PROCESS											
	All manufacturing industries	120,636	119,874	119,560	113,085	+0.6	+0.3	+6.7	118,866	116,562	119,711	111,563
	Durable goods industries	101,906	101,246	100,824	95,620	+0.7	+0.4	+6.6	100,220	98,359	100,946	94,183
32	Stone, clay, and glass products	1,090	1,066	1,058	1,040	+2.3	+0.8	+4.8	1,082	1,034	1,014	1,035
33	Primary metals	7,320	7,069	6,899	6,582	+3.6	+2.5	+11.2	7,193	6,897	6,746	6,460
34	Fabricated metal products	7,824	7,845	7,847	7,473	-0.3	0.0	+4.7	7,640	7,560	7,817	7,305
35	Machinery, except electrical	16,405	16,368	16,601	16,687	+0.2	-1.4	-1.7	16,246	15,947	16,609	16,539
36	Electrical machinery	20,488	20,502	20,702	20,089	-0.1	-1.0	+2.0	20,245	20,069	20,799	19,856
37	Transportation equipment	40,252	39,890	39,407	35,298	+0.9	+1.2	+14.0	39,401	38,553	39,740	34,645
38	Instruments and related products	4,841	4,794	4,696	4,911	+1.0	+2.1	-1.4	4,720	4,616	4,670	4,795
24,25, 39	All other durable goods	3,686	3,712	3,614	3,540	-0.7	+2.7	+4.1	3,693	3,683	3,551	3,548
	Nondurable goods industries	18,730	18,628	18,736	17,465	+0.5	-0.6	+7.2	18,646	18,203	18,765	17,380
20	Food and kindred products	2,493	2,436	2,482	2,397	+2.3	-1.9	+4.0	2,550	2,428	2,503	2,451
21	Tobacco products	267	234	241	131	+14.1	-2.9	+103.8	268	237	243	132
22	Textile mill products	2,122	2,115	2,107	2,066	+0.3	+0.4	+2.7	2,129	2,092	2,117	2,071
26	Paper and allied products	1,275	1,236	1,220	1,224	+3.2	+1.3	+4.2	1,265	1,222	1,239	1,214
28	Chemicals and allied products	4,164	4,083	4,046	4,135	+2.0	+0.9	+0.7	4,116	3,890	4,084	4,078
29	Petroleum and coal products	2,274	2,403	2,556	1,943	-5.4	-6.0	+17.0	2,281	2,411	2,606	1,944
30	Rubber and plastics products	1,512	1,452	1,364	1,410	+4.1	+6.5	+7.2	1,515	1,455	1,370	1,418
23,27, 31	All other nondurable goods	4,623	4,669	4,720	4,159	-1.0	-1.1	+11.2	4,522	4,468	4,603	4,072
	FINISHED GOODS											
	All manufacturing industries	108,696	107,566	106,801	104,419	+1.1	+0.7	+4.1	107,907	105,285	106,061	103,588
	Durable goods industries	56,019	55,013	55,076	53,577	+1.8	-0.1	+4.6	55,458	53,617	53,726	53,010
32	Stone, clay, and glass products	3,778	3,826	3,868	3,896	-1.3	-1.1	-3.0	3,685	3,736	3,692	3,813
33	Primary metals	5,172	5,048	5,112	4,950	+2.5	-1.3	+4.5	5,071	4,879	5,034	4,846
34	Fabricated metal products	6,598	6,536	6,728	6,443	+0.9	-2.9	+2.4	6,666	6,475	6,528	6,505
35	Machinery, except electrical	13,389	12,965	12,540	12,956	+3.3	+3.4	+3.3	13,274	12,670	12,508	12,850
36	Electrical machinery	9,122	9,095	9,117	8,678	+0.3	-0.2	+5.1	8,812	8,766	8,777	8,381
37	Transportation equipment	6,816	6,386	6,543	6,063	+6.7	-2.4	+12.4	6,794	6,330	6,552	6,023
38	Instruments and related products	3,663	3,702	3,636	3,637	-1.1	+1.8	+0.7	3,612	3,580	3,594	3,587
24,25, 39	All other durable goods	7,481	7,455	7,532	6,954	+0.3	-1.0	+7.6	7,544	7,181	7,041	7,005
	Nondurable goods industries	52,677	52,553	51,725	50,842	+0.2	+1.6	+3.6	52,449	51,668	52,335	50,578
20	Food and kindred products	12,841	12,903	12,808	12,585	-0.5	+0.7	+2.0	12,928	13,015	13,662	12,658
21	Tobacco products	882	896	821	770	-1.6	+9.1	+14.5	920	748	910	802
22	Textile mill products	2,761	2,796	2,834	2,823	-1.3	-1.3	-2.2	2,687	2,670	2,759	2,749
26	Paper and allied products	3,909	4,013	3,957	3,963	-2.6	+1.4	-1.4	3,913	3,913	3,875	3,964
28	Chemicals and allied products	14,850	14,474	14,154	13,940	+2.6	+2.3	+6.5	14,944	14,614	14,287	14,007
29	Petroleum and coal products	4,900	5,053	4,957	5,073	-3.0	+1.9	-3.4	4,953	4,974	5,333	5,119
30	Rubber and plastics products	4,309	4,243	4,219	3,986	+1.6	+0.6	+8.1	4,227	3,998	4,017	3,906
23,27, 31	All other nondurable goods	8,225	8,175	7,975	7,702	+0.6	+2.5	+6.8	7,877	7,736	7,492	7,373

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987[r]	Jan. 1988[p]	Dec. 1987[r]	Nov. 1987	Jan. 1987[r]
	All manufacturing industries	1.62	1.58	1.60	1.69	3.55	3.43	3.52	3.61
	Durable goods industries	2.01	1.92	1.99	2.11	4.43	4.22	4.38	4.53
32	Stone, clay, and glass products	1.38	1.36	1.35	1.45	0.54	0.53	0.54	0.55
33	Primary metals	1.74	1.56	1.63	2.12	2.14	1.98	2.04	2.09
34	Fabricated metal products	2.01	1.93	1.97	1.95	1.93	1.88	1.94	1.90
35	Machinery, except electrical	2.12	2.14	2.28	2.49	3.14	3.19	3.36	3.49
36	Electrical machinery	2.01	2.05	2.07	2.22	4.89	4.94	4.95	5.25
37	Transportation equipment	2.29	1.99	2.14	2.09	12.59	10.18	11.32	11.69
38	Instruments and related products	2.33	2.35	2.35	2.58	1.68	1.66	1.67	1.73
	Nondurable goods industries	1.19	1.19	1.17	1.23	0.53	0.54	0.54	0.49
20	Food and kindred products	0.85	0.87	0.86	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	6.11	2.57	2.99	7.17	(X)	(X)	(X)	(X)
22	Textile mill products	1.46	1.50	1.42	1.47	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.06	1.06	1.05	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.48	1.49	1.45	1.60	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.99	0.99	0.97	1.00	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.39	1.34	1.34	1.36	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987	Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987	Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987	Year ago Jan. 1987	All Jans. 1983-1987	Jan. 1987-Dec. 1987
	All manufacturing industries	0.4	0.4	0.2	0.6	0.6	0.4	0.1	0.2	0.1	0.2	0.1	0.1
	Durable goods industries	0.4	0.5	0.2	0.6	0.6	0.5	0.1	0.2	0.1	0.0	0.1	0.3
32	Stone, clay, and glass product	1.4	1.6	0.8	1.6	1.9	0.6	0.4	0.6	0.8	2.0	1.3	0.4
33	Primary metals	1.0	0.9	0.7	0.2	1.0	1.1	0.4	0.6	0.4	0.4	0.2	0.2
34	Fabricated metal products	2.3	1.9	0.6	2.1	1.8	1.0	0.2	0.3	0.5	0.3	0.2	0.2
35	Machinery, except electrical	1.1	1.3	0.9	1.9	1.5	1.2	0.1	0.2	0.2	0.5	0.2	0.2
36	Electrical machinery	0.6	1.9	0.5	1.3	2.2	0.8	0.2	0.5	0.1	0.1	0.2	0.2
37	Transportation equipment	0.1	0.9	0.1	0.0	0.7	0.4	0.0	0.1	0.1	0.2	0.2	0.1
38	Instruments and related products	2.8	1.4	1.0	2.6	2.1	0.9	0.2	0.4	0.4	0.1	1.0	0.2
	Nondurable goods industries	0.4	0.5	0.3	0.6	0.6	0.3	1.3	0.7	0.4	0.3	0.3	0.1
20	Food and kindred products	0.1	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.6	0.3
21	Tobacco products	0.2	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	1.8	0.5	0.3
22	Textile mill products	0.6	1.1	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.4	1.0	0.5
26	Paper and allied products	0.5	0.9	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.4	0.7	0.4
28	Chemicals and allied product	1.0	1.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.2
29	Petroleum and coal products	0.8	0.9	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.9	0.5
30	Rubber and plastics products	1.5	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	2.2	0.7	0.4
	Capital goods industries:												
	Nondefense	1.2	1.5	0.7	1.3	1.1	0.9	0.0	0.2	0.1	0.3	0.1	0.1
	Defense	0.1	1.4	0.2	0.6	2.3	1.2	0.0	0.2	0.1	0.1	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

Special Fourth-Class
Rate—Book

3:158!

CURRENT INDUSTRIAL REPORTS

M3-1 (88)-2

Manufacturers' Shipments, Inventories, and Orders

February 1988

M3-1(88)-2

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. EST Wednesday, March 30, 1988

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in February declined $1.7 billion or 0.8 percent to $210.9 billion, following a 0.6 percent decline in January. Prior to that, orders had shown a steady upward trend for nearly a year, reaching a high in December of $213.8 billion.

Shipments of manufactured goods in February were $207.4 billion, virtually unchanged from January. Shipments have been relatively flat since last September, averaging $207.6 billion per month.

Unfilled orders for manufactured goods in February increased $3.5 billion or 0.8 percent to $412.3 billion. Unfilled orders have had consecutive increases for a year, bringing the level 11.4 percent above the $370.2 billion of February 1987.

Current cost inventories at the end of February were up $1.6 billion or 0.5 percent from January to $338.4 billion. This is the eighth consecutive monthly increase in inventories, but the smallest one month increase since the 0.4 percent rise in September. The inventory to shipments ratio in both February and January was 1.63, up from 1.58 in December.

New Orders

Most of the decline in new orders in February was in the durable goods sector, down $1.3 billion or 1.1 percent to $112.9 billion. The machinery categories which had increased in January accounted for most of the decline. Orders for electrical machinery were down $1.5 billion or 7.4 percent to $19.2 billion and for nonelectrical $1.1 billion or 5.4 percent to $19.4 billion. Partially offsetting these declines were increases in transportation equipment, up $1.0 billion or 3.5 percent to 30.0 billion, and fabricated metals, up $0.6 billion or 5.0 percent to $11.7 billion.

New orders for nondurable goods were down $0.4 billion or 0.4 percent to $97.9 billion with a mixed pattern of increases and decreases in the specific industries.

Shipments

Shipments in the durable goods industries increased $0.6 billion or 0.5 percent to $109.5 billion. An increase in transportation equipment of $1.1 billion or 4.2 percent to $26.8 billion more than offset declines in most of the other categories. Motor vehicles and parts were up $0.7 billion or 4.3 percent to $16.9 billion.

Shipments of nondurable goods declined $0.4 billion or 0.4 percent to $97.9 billion. The largest declines were in foods, petroleum, paper and apparel. Nondurable goods shipments have been relatively flat for the last five months, averaging $98.3 billion per month.

Unfilled Orders

Unfilled orders for durable goods in February increased $3.4 billion or 0.9 percent to $398.5 billion. Nearly all the increase was in transportation equipment where aircraft and parts increased $3.3 billion or 2.1 percent to $158.4 billion. The backlog of aircraft orders has increased 15.1 percent during the last twelve months.

Unfilled orders for nondurable goods increased $0.1 billion or 0.6 percent to $13.8 billion.

Inventories

Inventories of durable goods manufacturers increased $1.2 billion or 0.5 percent to $220.2 billion. Increases were widespread within the specific categories. Nondurable goods inventories increased $0.4 billion or 0.3 percent to $118.2 billion; the largest increase was in chemicals.

Inventories at all stages of processing increased in February; materials and supplies were up 0.3 percent, work in process 0.6 percent and finished goods 0.5 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for March 1988 is scheduled for April 22, 1988, at 8:30 a.m. and the full report on May 2, 1988, at 10:00 a.m. The schedule of release dates for 1988 can be found on the back page of this publication.

APR 28 1988

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1988p	Jan. 1988r	Dec. 1987	Feb. 1987r	Jan.-Feb.p	Dec.-Jan.r	Feb.-88/87	Feb. 1988p	Jan. 1988r	Dec. 1987	Feb. 1987	1988p	1987
	All manufacturing industries	207,385	207,241	211,356	195,350	+0.1	-1.9	+6.2	209,383	190,746	204,228	197,198	400,129	371,869
	Manufacturing industries with unfilled orders	115,030	114,908	117,647	106,030	+0.1	-2.3	+8.5	115,565	103,938	116,263	106,517	219,503	199,856
	Durable goods industries	109,532	108,946	113,026	103,256	+0.5	-3.6	+6.1	110,773	97,974	108,872	104,532	208,747	194,157
	With unfilled orders	89,207	88,973	92,305	82,132	+0.3	-3.6	+8.6	89,628	79,575	91,371	82,566	169,203	153,883
32	Stone, clay, and glass products	5,151	5,136	5,280	5,127	+0.3	-2.7	+0.5	4,833	4,446	4,552	4,806	9,279	9,103
33	Primary metals	10,213	10,371	11,273	8,410	-1.5	-8.0	+21.4	10,570	9,803	10,205	8,694	20,373	16,341
331	Blast furnaces, steel mills	4,607	4,501	4,794	3,503	+2.4	-6.1	+31.5	4,782	4,333	4,404	3,634	9,115	6,874
332	Iron and steel foundries	801	740	815	814	+8.2	-9.2	-1.6	829	694	680	840	1,523	1,587
333-9	Nonferrous and other primary metals	4,805	5,130	5,664	4,093	-6.3	-9.4	+17.4	4,959	4,776	5,121	4,220	9,735	7,880
34	Fabricated metal products	11,600	11,264	11,460	11,585	+3.0	-1.7	+0.1	11,635	10,269	10,445	11,657	21,904	21,687
35	Machinery, except electrical	19,412	19,692	19,351	16,839	-1.4	+1.8	+15.3	18,917	16,555	20,615	16,442	35,472	30,518
351	Engines and turbines	1,224	1,228	1,674	1,093	-0.3	-26.6	+12.0	1,267	1,124	1,607	1,134	2,391	2,078
353	Construction, mining, and material handling equipment	2,414	2,415	2,426	1,989	0.0	-0.5	+21.4	2,397	2,149	2,344	1,971	4,546	3,587
354	Metalworking machinery	811	822	804	724	-1.3	+2.2	+12.0	806	680	829	720	1,486	1,309
357	Office and computing machines	5,475	5,734	4,818	4,579	-4.5	+19.0	+19.6	4,676	3,818	6,822	3,875	8,494	6,899
36	Electrical machinery	19,439	19,805	19,471	17,957	-1.8	+1.7	+8.3	19,382	17,540	20,244	17,890	36,922	33,476
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,381	2,376	2,206	2,259	+0.2	+7.7	+5.4	2,357	2,061	2,291	2,236	4,418	4,062
363	Household appliances	1,505	1,560	1,532	1,587	-3.5	+1.8	-5.2	1,439	1,426	1,352	1,522	2,865	2,889
365	Radio and TV	1,016	1,021	1,036	1,042	-0.5	-1.4	-2.5	969	941	1,026	998	1,910	2,049
366	Communication equipment	6,207	6,371	6,448	5,788	-2.6	-1.2	+7.2	6,193	5,292	7,547	5,769	11,485	10,606
367	Electronic components	4,672	4,717	4,711	3,906	-1.0	+0.1	+19.6	4,770	4,374	4,414	3,988	9,144	7,599
364,9	Other electrical machinery	3,658	3,760	3,538	3,375	-2.7	+6.3	+8.4	3,654	3,446	3,614	3,377	7,100	6,271
37	Transportation equipment	26,787	25,713	29,156	27,215	+4.2	-11.8	-1.6	28,865	24,547	26,979	29,281	53,412	53,707
371	Motor vehicles and parts	16,933	16,239	17,050	17,738	+4.3	-4.8	-4.5	18,834	15,828	14,348	19,635	34,662	35,957
372,6	Aircraft, missiles, and parts	8,013	7,686	10,182	7,758	+4.3	-24.5	+3.3	8,174	6,992	10,687	7,918	15,166	14,485
3731,95	Shipbuilding and military tank vehicles	839	786	1,049	881	+6.7	-25.1	-4.8	839	786	1,049	881	1,625	1,532
38	Instruments and related products	5,461	5,411	5,398	5,138	+0.9	+0.2	+6.3	5,399	4,903	5,597	5,075	10,302	9,514
381-4	Scientific and engineering instruments	3,678	3,649	3,614	3,400	+0.8	+1.0	+8.2	3,674	3,429	3,788	3,399	7,103	6,425
386	Photographic goods	1,615	1,584	1,599	1,578	+2.0	-0.9	+2.3	1,560	1,333	1,658	1,519	2,893	2,798
24,25, 39	All other durable goods	11,469	11,554	11,637	10,985	-0.7	-0.7	+4.4	11,172	9,911	10,235	10,687	21,083	19,811
	Nondurable goods industries	97,853	98,295	98,330	92,094	-0.4	0.0	+6.3	98,610	92,772	95,356	92,666	191,382	177,712
	With unfilled orders	25,823	25,935	25,342	23,898	-0.4	+2.3	+8.1	25,937	24,363	24,892	23,951	50,300	45,973
20	Food and kindred products	28,976	29,383	28,389	27,116	-1.4	+3.5	+6.9	28,851	27,331	28,411	27,005	56,182	52,024
202	Dairy products	4,016	3,984	4,007	3,861	+0.8	-0.6	+4.0	3,996	3,793	3,867	3,838	7,789	7,462
208	Beverages	3,800	3,762	3,774	3,614	+1.0	-0.3	+5.1	3,424	3,272	3,375	3,263	6,696	6,428
203-6,9	All other foods	13,322	13,781	12,841	12,231	-3.3	+7.3	+8.9	13,842	12,718	13,300	12,720	26,560	23,934
21	Tobacco products	1,356	920	2,169	1,304	+47.4	-57.6	+4.0	1,356	920	2,169	1,304	2,276	2,086
22	Textile mill products	4,693	4,710	4,587	4,663	-0.4	+2.7	+0.6	4,627	4,083	4,350	4,604	8,710	8,552
221-4,6, 8,9	Broadwoven fabrics	2,827	2,866	2,763	2,853	-1.4	+3.7	-0.9	2,827	2,557	2,775	2,854	5,384	5,286
26	Paper and allied products	10,594	10,777	10,600	9,503	-1.7	+1.7	+11.5	10,944	10,525	10,112	9,818	21,469	18,801
261-3,6	Pulp, paper etc.	4,858	4,951	4,742	4,031	-1.9	+4.4	+20.5	5,022	4,783	4,668	4,168	9,805	8,104
265	Paperboard containers	2,283	2,271	2,331	2,008	+0.5	-2.6	+13.7	2,320	2,218	2,117	2,036	4,538	3,885
264	All other paper products	3,453	3,555	3,527	3,464	-2.9	+0.8	-0.3	3,602	3,524	3,327	3,614	7,126	6,812
28	Chemicals and allied products	18,869	18,883	18,626	17,107	-0.1	+1.4	+10.3	19,329	18,533	18,250	17,509	37,862	34,142
281,6	Industrial chemicals, except pigments	5,345	5,469	5,394	4,942	-2.3	+1.4	+8.2	5,484	5,223	5,309	5,080	10,707	9,724
283,4	Drugs, soaps, and toiletries	6,279	6,336	6,162	5,943	-0.9	+2.8	+5.7	6,354	6,371	6,269	5,996	12,725	11,974
282,9	Other chemical products	4,675	4,586	4,497	4,053	+1.9	+2.0	+15.3	4,909	4,357	4,373	4,253	9,266	8,025
29	Petroleum and coal products	10,078	10,366	10,796	10,077	-2.8	-4.0	0.0	9,880	10,174	10,630	9,807	20,054	19,575
30	Rubber and plastics products	6,893	6,795	6,869	6,588	+1.4	-1.1	+4.6	7,050	6,323	6,212	6,730	13,373	12,589
23,27, 31	All other nondurable goods	16,394	16,461	16,294	15,736	-0.4	+1.0	+4.2	16,573	14,883	15,222	15,889	31,456	29,943
	Market categories:													
	Home goods and apparel	13,665	13,961	13,725	13,241	-2.1	+1.7	+3.2	13,980	11,984	11,510	13,530	25,964	24,870
	Consumer staples	40,724	40,835	40,852	38,555	-0.3	0.0	+5.6	40,462	38,203	41,117	38,283	78,665	73,625
	Equipment and defense products, except automotive	34,147	34,097	35,361	30,325	+0.1	-3.6	+12.6	33,379	29,061	38,602	29,661	62,440	54,931
	Automotive equipment	19,009	18,288	18,927	19,716	+3.9	-3.4	-3.6	20,781	17,735	16,056	21,488	38,516	39,637
	Construction materials, supplies and intermediate products	16,704	16,456	16,817	16,557	+1.5	-2.1	+0.9	15,722	14,053	14,685	15,515	29,775	28,790
	Other materials, supplies, and intermediate products	83,136	83,604	85,674	76,956	-0.6	-2.4	+8.0	85,059	79,710	82,258	78,721	164,769	150,016
	Supplementary series:[2]													
	Capital goods industries	38,911	39,083	40,825	35,228	-0.4	-4.3	+10.5	38,341	33,521	44,343	34,751	71,862	64,049
	Nondefense	30,521	30,650	30,731	26,804	-0.4	-0.3	+13.9	29,791	26,016	33,415	26,166	55,807	48,063
	Defense	8,390	8,433	10,094	8,424	-0.5	-16.5	-0.4	8,550	7,505	10,928	8,585	16,055	15,986
	Household durable goods industries	6,552	6,717	6,433	6,223	-2.5	+4.4	+5.3	6,483	5,761	5,752	6,145	12,244	11,471

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Feb. 1988p	Jan. 1988r	Dec. 1987	Feb. 1987r	Jan.-Feb.p	Dec.-Jan.r	Feb.-88/87	Feb. 1988p	Jan. 1988r	Dec. 1987	Feb. 1987	1988p	1987
	All manufacturing industries	210,858	212,571	213,822	194,633	-0.8	-0.6	+8.3	215,302	200,357	208,377	198,954	415,659	375,256
	Manufacturing industries with unfilled orders	118,503	120,238	120,113	105,313	-1.4	+0.1	+12.5	121,484	113,549	120,412	108,273	235,033	203,243
	Durable goods industries	112,923	114,196	115,620	102,071	-1.1	-1.2	+10.6	116,282	107,311	113,164	105,609	223,593	196,370
	With unfilled orders	92,598	94,223	94,899	80,947	-1.7	-0.7	+14.4	95,137	88,912	95,663	83,643	184,049	156,096
32	Stone, clay, and glass products	5,140	5,107	5,202	5,095	+0.6	-1.8	+0.9	4,949	4,473	4,490	4,896	9,422	9,229
33	Primary metals	10,398	10,254	11,997	8,265	+1.4	-14.5	+25.8	11,563	10,872	11,464	9,176	22,435	17,309
331	Blast furnaces, steel mills	4,474	4,308	5,333	3,515	+3.9	-19.2	+27.3	5,242	4,718	5,339	4,140	9,960	7,549
332	Iron and steel foundries	857	756	824	759	+13.4	-8.3	+12.9	893	846	628	791	1,739	1,664
333-9	Nonferrous and other primary metals	5,067	5,190	5,840	3,991	-2.4	-11.1	+27.0	5,428	5,308	5,497	4,245	10,736	8,096
34	Fabricated metal products	11,694	11,142	11,472	11,218	+5.0	-2.9	+4.2	11,903	10,217	10,556	11,483	22,120	21,475
35	Machinery, except electrical	19,435	20,552	19,195	16,987	-5.4	+7.1	+14.4	19,719	17,635	19,810	17,395	37,354	31,090
351	Engines and turbines	1,217	1,200	1,206	1,077	+1.4	-0.5	+13.0	1,214	1,011	1,068	1,079	2,225	1,571
353	Construction, mining, and material handling equipment	2,432	2,410	2,708	2,062	+0.9	-11.0	+17.9	2,464	2,177	2,664	2,090	4,641	3,629
354	Metalworking machinery	816	838	840	687	-2.6	-0.2	+18.8	796	723	735	665	1,519	1,301
357	Office and computing machines	5,397	5,933	4,582	4,440	-9.0	+29.5	+21.6	5,281	3,947	6,080	4,439	9,228	6,906
36	Electrical machinery	19,185	20,716	19,762	17,406	-7.4	+4.8	+10.2	19,386	19,355	20,373	17,695	38,741	32,620
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,350	2,413	2,100	2,254	-2.6	+14.9	+4.3	2,389	2,140	2,172	2,311	4,529	4,196
363	Household appliances	1,523	1,613	1,568	1,617	-5.6	+2.9	-5.8	1,432	1,505	1,378	1,528	2,937	2,874
365	Radio and TV	942	966	965	950	-2.5	+0.1	-0.8	895	886	955	906	1,781	1,947
366	Communication equipment	5,652	7,029	6,761	5,298	-19.6	+4.0	+6.7	5,606	6,765	7,671	5,387	12,371	10,313
367	Electronic components	5,025	4,907	4,753	3,895	+2.4	+3.2	+29.0	5,355	4,613	4,530	4,155	9,968	6,961
364,9	Other electrical machinery	3,693	3,788	3,615	3,392	-2.5	+4.8	+8.9	3,709	3,446	3,667	3,408	7,155	6,329
37	Transportation equipment	29,964	28,946	31,155	26,817	+3.5	-7.1	+11.7	31,981	29,416	31,037	29,015	61,397	54,507
372,6	Aircraft, missiles, and parts	11,327	10,603	12,755	7,930	+6.8	-16.9	+42.8	11,408	11,340	15,433	7,910	22,748	15,748
3731,95	Shipbuilding and military tank vehicles	818	1,261	465	330	-35.1	+171.2	+147.9	650	1,338	276	436	1,988	744
38	Instruments and related products	5,434	5,648	5,411	5,094	-3.8	+4.4	+6.7	5,389	5,163	5,617	5,044	10,552	9,726
381-4	Scientific and engineering instruments	3,728	3,843	3,673	3,297	-3.0	+4.6	+13.1	3,724	3,623	3,847	3,296	7,347	6,547
24,25, 39	All other durable goods	11,673	11,831	11,426	11,189	-1.3	+3.5	+4.3	11,392	10,180	9,817	10,905	21,572	20,414
	Nondurable goods industries	97,935	98,375	98,202	92,562	-0.4	+0.2	+5.8	99,020	93,046	95,213	93,345	192,066	178,886
	With unfilled orders	25,905	26,015	25,214	24,366	-0.4	+3.2	+6.3	26,347	24,637	24,749	24,630	50,984	47,147
	Market categories:													
	Home goods and apparel	13,857	14,200	13,463	13,477	-2.4	+5.5	+2.8	14,334	12,350	11,161	13,846	26,684	25,709
	Consumer staples	40,883	40,761	40,899	38,532	+0.3	-0.3	+6.1	40,655	38,172	41,182	38,284	78,827	73,653
	Equipment and defense products, except automotive	37,303	36,251	35,353	29,679	+2.9	+2.5	+25.7	37,093	33,791	39,667	29,936	70,884	56,067
	Automotive equipment	18,831	18,136	18,880	19,701	+3.8	-3.9	-4.4	20,790	17,711	16,084	21,679	38,501	39,963
	Construction materials, supplies and intermediate products	16,799	16,372	17,097	16,233	+2.6	-4.2	+3.5	16,018	14,104	14,843	15,402	30,122	28,639
	Other materials, supplies, and intermediate products	83,185	86,851	88,130	77,011	-4.2	-1.5	+8.0	86,412	84,229	85,440	79,807	170,641	151,225
	Supplementary series:[2]													
	Capital goods industries	41,808	43,895	42,927	34,380	-4.8	+2.3	+21.6	41,801	40,871	47,525	34,818	82,672	64,828
	Nondefense	33,448	34,791	33,879	27,036	-3.9	+2.7	+23.7	33,561	30,372	35,848	27,279	63,933	50,464
	Defense	8,360	9,104	9,048	7,344	-8.2	+0.6	+13.8	8,240	10,499	11,677	7,539	18,739	14,364
	Household durable goods industries	6,721	6,893	6,205	6,334	-2.5	+11.1	+6.1	6,674	6,031	5,478	6,268	12,705	12,009

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Feb. 1988[p]	Jan. 1988[r]	Dec. 1987	Feb. 1987[r]	Jan.-Feb.[p]	Dec.-Jan.[r]	Feb.-88/87	Feb. 1988[p]	Jan. 1988[r]	Dec. 1987	Feb. 1987
	All manufacturing industries	412,299	408,826	403,496	370,244	+0.8	+1.3	+11.4	415,944	410,025	400,414	373,797
	Durable goods industries	398,501	395,110	389,860	358,328	+0.9	+1.3	+11.2	401,991	396,482	387,145	361,749
32	Stone, clay, and glass products	2,525	2,536	2,565	2,476	-0.4	-1.1	+2.0	2,610	2,494	2,467	2,556
33	Primary metals	22,403	22,218	22,335	16,747	+0.8	-0.5	+33.8	23,667	22,674	21,605	17,695
331	Blast furnaces, steel mills	11,925	12,058	12,251	8,903	-1.1	-1.6	+33.9	12,724	12,264	11,879	9,526
332	Iron and steel foundries	3,050	2,994	2,978	2,697	+1.9	+0.5	+13.1	3,114	3,050	2,898	2,753
333-9	Nonferrous and other primary metals	7,428	7,166	7,106	5,147	+3.7	+0.8	+44.3	7,829	7,360	6,828	5,416
34	Fabricated metal products	19,528	19,434	19,556	18,446	+0.5	-0.6	+5.9	19,566	19,298	19,350	18,485
35	Machinery, except electrical	58,547	58,524	57,664	54,885	0.0	+1.5	+6.7	58,797	57,995	56,915	55,130
351	Engines and turbines	14,524	14,531	14,559	14,002	0.0	-0.2	+3.7	14,519	14,572	14,685	13,998
353	Construction, mining, and material handling equipment	4,863	4,845	4,850	4,280	+0.4	-0.1	+13.6	4,980	4,913	4,885	4,377
354	Metalworking machinery	3,059	3,054	3,038	3,134	+0.2	+0.5	-2.4	2,970	2,980	2,937	3,047
357	Office and computing machines	19,001	19,079	18,880	18,630	-0.4	+1.1	+2.0	19,001	18,396	18,267	18,640
36	Electrical machinery	96,890	97,144	96,233	91,861	-0.3	+0.9	+5.5	96,623	96,619	94,804	91,714
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,533	5,564	5,527	5,407	-0.6	+0.7	+2.3	5,585	5,553	5,474	5,462
363	Household appliances	291	273	220	265	+6.6	+24.1	+9.8	271	278	199	248
365	Radio and TV	231	305	360	261	-24.3	-15.3	-11.5	231	305	360	261
366	Communication equipment	70,556	71,111	70,453	69,013	-0.8	+0.9	+2.2	70,451	71,038	69,565	68,993
367	Electronic components	18,339	17,986	17,796	15,132	+2.0	+1.1	+21.2	18,174	17,589	17,350	14,993
364,9	Other electrical machinery	1,940	1,905	1,877	1,783	+1.8	+1.5	+8.8	1,911	1,856	1,856	1,757
37	Transportation equipment	183,213	180,036	176,803	160,152	+1.8	+1.8	+14.4	185,556	182,440	177,571	162,589
372,6	Aircraft, missiles, and parts	158,440	155,126	152,209	137,631	+2.1	+1.9	+15.1	160,819	157,585	153,237	139,989
3731,95	Shipbuilding and military tank vehicles	18,882	18,903	18,428	16,701	-0.1	+2.6	+13.1	18,641	18,830	18,278	16,558
38	Instruments and related products	9,180	9,207	8,970	8,395	-0.3	+2.6	+9.4	9,171	9,181	8,921	8,387
381-4	Scientific and engineering instruments	8,290	8,240	8,046	7,526	+0.6	+2.4	+10.2	8,290	8,240	8,046	7,526
24,25, 39	All other durable goods	6,215	6,011	5,734	5,366	+3.4	+4.8	+15.8	6,001	5,781	5,512	5,193
	Nondurable goods industries	13,798	13,716	13,636	11,916	+0.6	+0.6	+15.8	13,953	13,543	13,269	12,048
	Market categories:											
	Home goods and apparel	4,841	4,649	4,410	4,173	+4.1	+5.4	+16.0	4,844	4,490	4,124	4,171
	Consumer staples	783	624	698	722	+25.5	-10.6	+8.4	857	664	695	791
	Equipment and defense products, except automotive	257,506	254,350	252,196	236,827	+1.2	+0.9	+8.7	259,605	255,891	251,161	239,123
	Automotive equipment	5,405	5,583	5,735	5,608	-3.2	-2.7	-3.6	5,610	5,601	5,625	5,830
	Construction materials, supplies and intermediate products	10,604	10,509	10,593	9,948	+0.9	-0.8	+6.6	10,592	10,296	10,245	9,937
	Other materials, supplies, and intermediate products	133,160	133,111	129,864	112,966	0.0	+2.5	+17.9	134,436	133,083	128,564	113,945
	Supplementary series:[2]											
	Capital goods industries	316,982	314,085	309,273	287,645	+0.9	+1.6	+10.2	319,268	315,808	308,458	290,093
	Nondefense	153,362	150,435	146,294	129,168	+1.9	+2.8	+18.7	153,615	149,845	145,489	129,421
	Defense	163,620	163,650	162,979	158,477	0.0	+0.4	+3.2	165,653	165,963	162,969	160,672
	Household durable goods industries	3,794	3,625	3,449	3,499	+4.7	+5.1	+8.4	3,794	3,603	3,333	3,498

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Feb. 1988p	Jan. 1988r	Dec. 1987	Feb. 1987r	Jan.-Feb.p	Dec.-Jan.r	Feb.-88/87	Feb. 1988p	Jan. 1988r	Dec. 1987	Feb. 1987
	All manufacturing industries	338,390	336,815	333,656	320,131	+0.5	+0.9	+5.7	339,558	335,081	328,816	321,166
	Manufacturing industries with unfilled orders	229,954	228,617	226,271	217,586	+0.6	+1.0	+5.7	229,526	225,613	221,475	217,155
	Durable goods industries	220,188	219,014	216,753	208,431	+0.5	+1.0	+5.6	220,641	216,882	212,704	208,809
	With unfilled orders	201,946	200,753	198,791	191,480	+0.6	+1.0	+5.5	201,586	198,231	194,711	191,114
32	Stone, clay, and glass products	7,149	7,136	7,162	6,993	+0.2	-0.4	+2.2	7,239	7,029	7,045	7,082
33	Primary metals	18,128	18,020	17,542	16,710	+0.6	+2.7	+8.5	18,006	17,819	17,404	16,585
331	Blast furnaces, steel mills	8,407	8,415	8,022	7,524	-0.1	+4.9	+11.7	8,247	8,236	8,011	7,370
332	Iron and steel foundries	1,261	1,262	1,270	1,119	-0.1	-0.6	+12.7	1,291	1,253	1,235	1,146
333-9	Nonferrous and other primary metals	8,460	8,343	8,250	8,067	+1.4	+1.1	+4.9	8,468	8,330	8,158	8,069
34	Fabricated metal products	22,466	22,361	22,072	21,346	+0.5	+1.3	+5.2	22,484	22,246	21,738	21,378
35	Machinery, except electrical	42,126	41,832	41,418	41,295	+0.7	+1.0	+2.0	42,399	41,553	40,730	41,540
351	Engines and turbines	2,893	2,857	2,856	2,815	+1.3	0.0	+2.8	2,857	2,756	2,675	2,778
353	Construction, mining, and material handling equipment	6,680	6,757	6,483	6,814	-1.1	+4.2	-2.0	6,767	6,745	6,478	6,895
354	Metalworking machinery	2,856	2,873	2,925	2,991	-0.6	-1.8	-4.5	2,885	2,856	2,834	3,017
357	Office and computing machines	10,143	10,000	9,954	9,708	+1.4	+0.5	+4.5	10,113	9,791	9,705	9,674
36	Electrical machinery	40,260	40,195	39,975	39,108	+0.2	+0.6	+2.9	39,974	39,632	39,213	38,834
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,929	4,856	4,917	4,979	+1.5	-1.2	-1.0	4,912	4,838	4,792	4,967
363	Household appliances	2,866	2,856	2,877	2,764	+0.4	-0.7	+3.7	2,889	2,790	2,707	2,787
365	Radio and TV	1,651	1,736	1,623	1,777	-4.9	+7.0	-7.1	1,560	1,613	1,514	1,678
366	Communication equipment	16,497	16,549	16,503	16,238	-0.3	+0.3	+1.6	16,451	16,425	16,362	16,193
367	Electronic components	8,523	8,418	8,317	7,680	+1.2	+1.2	+11.0	8,472	8,373	8,268	7,639
364,9	Other electrical machinery	5,794	5,780	5,738	5,670	+0.2	+0.7	+2.2	5,690	5,593	5,570	5,570
37	Transportation equipment	59,012	58,827	58,079	53,433	+0.3	+1.3	+10.4	59,132	57,944	56,583	53,539
371	Motor vehicles and parts	11,694	11,806	11,413	11,042	-0.9	+3.4	+5.9	12,010	11,990	11,465	11,336
372,6	Aircraft, missiles, and parts	43,433	43,150	42,940	38,699	+0.7	+0.5	+12.2	43,182	42,089	41,347	38,465
3731,95	Shipbuilding and military tank vehicles	2,143	2,107	2,043	2,006	+1.7	+3.1	+6.8	2,115	2,067	1,997	1,972
38	Instruments and related products	12,875	12,757	12,710	12,649	+0.9	+0.4	+1.8	12,796	12,573	12,367	12,566
381-4	Scientific and engineering instruments	9,227	9,158	9,117	9,094	+0.8	+0.4	+1.5	9,172	9,032	8,963	9,039
386	Photographic goods	3,018	2,962	2,948	2,945	+1.9	+0.5	+2.5	3,003	2,921	2,792	2,925
24,25, 39	All other durable goods	18,172	17,886	17,795	16,897	+1.6	+0.5	+7.5	18,611	18,086	17,624	17,285
	Nondurable goods industries	118,202	117,801	116,903	111,700	+0.3	+0.8	+5.8	118,917	118,199	116,112	112,357
	With unfilled orders	28,008	27,864	27,480	26,106	+0.5	+1.4	+7.3	27,940	27,382	26,764	26,041
20	Food and kindred products	24,758	24,768	24,778	23,791	0.0	0.0	+4.1	24,953	25,317	25,181	23,966
202	Dairy products	2,437	2,420	2,404	2,044	+0.7	+0.7	+19.2	2,386	2,377	2,328	2,002
208	Beverages	4,245	4,404	4,445	4,641	-3.6	-0.9	-8.5	4,334	4,431	4,425	4,741
203-6,9	All other foods	14,379	14,372	14,364	14,006	0.0	+0.1	+2.7	14,336	14,733	14,794	13,963
21	Tobacco products	5,593	5,628	5,569	5,603	-0.6	+1.1	-0.2	5,973	6,074	5,890	5,976
22	Textile mill products	6,961	6,984	6,874	6,805	-0.3	+1.6	+2.3	6,975	6,895	6,674	6,820
221-4,6, 8,9	Broadwoven fabrics	3,846	3,894	3,839	3,818	-1.2	+1.4	+0.7	3,884	3,860	3,748	3,855
26	Paper and allied products	11,511	11,391	11,284	10,666	+1.1	+0.9	+7.9	11,571	11,352	11,177	10,719
261-3,6	Pulp, paper etc.	4,325	4,245	4,266	4,133	+1.9	-0.5	+4.6	4,414	4,266	4,261	4,212
265	Paperboard containers	3,024	3,003	2,815	2,671	+0.7	+6.7	+13.2	3,072	3,049	2,810	2,711
264	All other paper products	4,162	4,143	4,203	3,862	+0.5	-1.4	+7.8	4,085	4,037	4,106	3,796
28	Chemicals and allied products	28,685	28,372	27,743	27,157	+1.1	+2.3	+5.6	28,884	28,416	27,650	27,340
281,6	Industrial chemicals, except pigments	8,664	8,495	8,255	8,218	+2.0	+2.9	+5.4	8,664	8,495	8,255	8,218
283,4	Drugs, soaps, and toiletries	9,351	9,240	9,174	8,761	+1.2	+0.7	+6.7	9,286	9,078	8,985	8,693
282,9	Other chemical products	6,865	6,874	6,664	6,454	-0.1	+3.2	+6.4	6,941	6,988	6,647	6,516
29	Petroleum and coal products	10,223	10,298	10,646	10,184	-0.7	-3.3	+0.4	10,269	10,370	10,585	10,215
30	Rubber and plastics products	9,519	9,576	9,220	8,566	-0.6	+3.9	+11.1	9,644	9,516	9,089	8,670
23,27, 31	All other nondurable goods	20,952	20,784	20,789	18,928	+0.8	0.0	+10.7	20,648	20,259	19,866	18,651
	Market categories:											
	Home goods and apparel	27,182	27,099	27,040	25,509	+0.3	+0.2	+6.6	26,966	26,711	26,044	25,311
	Consumer staples	43,004	42,944	42,717	41,514	+0.1	+0.5	+3.6	43,416	43,491	42,939	41,923
	Equipment and defense products, except automotive	96,352	95,786	95,149	92,177	+0.6	+0.7	+4.5	96,629	94,855	93,442	92,390
	Automotive equipment	14,152	14,247	13,837	13,477	-0.7	+3.0	+5.0	14,583	14,456	13,929	13,884
	Construction materials, supplies and intermediate products	24,744	24,633	24,196	22,706	+0.5	+1.8	+9.0	25,139	24,555	23,895	23,061
	Other materials, supplies, and intermediate products	132,956	132,106	130,717	124,748	+0.6	+1.1	+6.6	132,825	131,013	128,567	124,597
	Supplementary series:[2]											
	Capital goods industries	112,262	111,563	110,830	106,385	+0.6	+0.7	+5.5	111,951	109,747	108,020	106,082
	Nondefense	74,986	74,460	73,804	72,053	+0.7	+0.9	+4.1	74,918	73,507	72,186	71,963
	Defense	37,276	37,103	37,026	34,332	+0.5	+0.2	+8.6	37,033	36,240	35,834	34,119
	Household durable goods industries	13,487	13,512	13,384	13,159	-0.2	+1.0	+2.5	13,482	13,316	12,892	13,145

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Feb. 1988[p]	Jan. 1988[r]	Dec. 1987	Feb. 1987[r]	Jan.-Feb.[p]	Dec.-Jan.[r]	Feb.-88/87	Feb. 1988[p]	Jan. 1988[r]	Dec. 1987	Feb. 1987
	MATERIALS AND SUPPLIES											
	All manufacturing industries	107,469	107,136	106,216	102,477	+0.3	+0.9	+4.9	107,897	107,972	106,969	102,968
	Durable goods industries	61,149	60,930	60,494	59,441	+0.4	+0.7	+2.9	61,077	61,046	60,728	59,394
32	Stone, clay, and glass products	2,308	2,245	2,270	2,254	+2.8	-1.1	+2.4	2,307	2,233	2,275	2,246
33	Primary metals	5,629	5,564	5,425	5,448	+1.2	+2.6	+3.3	5,557	5,620	5,628	5,374
34	Fabricated metal products	7,886	7,830	7,691	7,365	+0.7	+1.8	+7.1	7,810	7,832	7,703	7,301
35	Machinery, except electrical	12,256	12,121	12,085	11,657	+1.1	+0.3	+5.1	12,250	12,125	12,113	11,612
36	Electrical machinery	10,471	10,442	10,378	10,304	+0.3	+0.6	+1.6	10,424	10,398	10,378	10,263
37	Transportation equipment	11,443	11,749	11,803	11,990	-2.6	-0.5	-4.6	11,498	11,718	11,700	12,117
38	Instruments and related products	4,342	4,273	4,214	4,094	+1.6	+1.4	+6.1	4,321	4,261	4,171	4,060
24,25, 39	All other durable goods	6,814	6,706	6,628	6,329	+1.6	+1.2	+7.7	6,910	6,859	6,760	6,421
	Nondurable goods industries	46,320	46,206	45,722	43,036	+0.2	+1.1	+7.6	46,820	46,926	46,241	43,574
20	Food and kindred products	9,408	9,410	9,439	8,795	0.0	-0.3	+7.0	9,616	9,835	9,738	9,007
21	Tobacco products	4,412	4,472	4,439	4,698	-1.3	+0.7	-6.1	4,704	4,886	4,905	5,000
22	Textile mill products	2,000	2,012	1,963	1,854	-0.6	+2.5	+7.9	2,018	1,983	1,912	1,872
26	Paper and allied products	6,162	6,191	6,035	5,478	-0.5	+2.6	+12.5	6,222	6,171	6,042	5,527
28	Chemicals and allied products	9,597	9,359	9,186	8,981	+2.5	+1.9	+6.9	9,537	9,356	9,146	8,938
29	Petroleum and coal products	3,046	3,046	3,190	3,041	0.0	-4.5	+0.2	3,078	3,057	3,200	3,085
30	Rubber and plastics products	3,665	3,715	3,525	3,180	-1.3	+5.4	+15.3	3,672	3,732	3,636	3,184
23,27, 31	All other nondurable goods	8,030	8,001	7,945	7,009	+0.4	+0.7	+14.6	7,973	7,906	7,662	6,961
	WORK IN PROCESS											
	All manufacturing industries	121,680	120,978	119,874	113,571	+0.6	+0.9	+7.1	121,807	119,240	116,562	113,607
	Durable goods industries	103,013	102,221	101,246	95,738	+0.8	+1.0	+7.6	102,983	100,543	98,359	95,619
32	Stone, clay, and glass products	1,074	1,096	1,066	978	-2.0	+2.8	+9.8	1,092	1,096	1,034	999
33	Primary metals	7,297	7,300	7,069	6,543	0.0	+3.3	+11.5	7,262	7,176	6,897	6,505
34	Fabricated metal products	7,951	7,894	7,845	7,568	+0.7	+0.6	+5.1	7,930	7,723	7,560	7,547
35	Machinery, except electrical	16,550	16,428	16,368	16,756	+0.7	+0.4	-1.2	16,690	16,220	15,947	16,910
36	Electrical machinery	20,633	20,559	20,502	20,096	+0.4	+0.3	+2.7	20,499	20,328	20,069	19,970
37	Transportation equipment	40,827	40,416	39,890	35,302	+1.0	+1.3	+15.7	40,860	39,582	38,553	35,215
38	Instruments and related products	4,887	4,836	4,794	4,899	+1.1	+0.9	-0.2	4,814	4,721	4,616	4,836
24,25, 39	All other durable goods	3,794	3,692	3,712	3,596	+2.8	-0.5	+5.5	3,836	3,697	3,683	3,637
	Nondurable goods industries	18,667	18,757	18,628	17,833	-0.5	+0.7	+4.7	18,824	18,697	18,203	17,988
20	Food and kindred products	2,410	2,485	2,436	2,399	-3.0	+2.0	+0.5	2,461	2,543	2,428	2,451
21	Tobacco products	255	267	234	153	-4.5	+14.1	+66.7	255	268	237	153
22	Textile mill products	2,172	2,162	2,115	2,108	+0.5	+2.2	+3.0	2,179	2,172	2,092	2,115
26	Paper and allied products	1,310	1,265	1,236	1,222	+3.6	+2.3	+7.2	1,283	1,255	1,222	1,199
28	Chemicals and allied products	4,221	4,181	4,083	4,145	+1.0	+2.4	+1.8	4,233	4,130	3,890	4,154
29	Petroleum and coal products	2,238	2,329	2,403	2,117	-3.9	-3.1	+5.7	2,261	2,337	2,411	2,147
30	Rubber and plastics products	1,526	1,516	1,452	1,427	+0.7	+4.4	+6.9	1,532	1,519	1,455	1,427
23,27, 31	All other nondurable goods	4,535	4,552	4,669	4,262	-0.4	-2.5	+6.4	4,620	4,473	4,468	4,342
	FINISHED GOODS											
	All manufacturing industries	109,241	108,701	107,566	104,083	+0.5	+1.1	+5.0	109,854	107,869	105,285	104,591
	Durable goods industries	56,026	55,863	55,013	53,252	+0.3	+1.5	+5.2	56,581	55,293	53,617	53,796
32	Stone, clay, and glass products	3,767	3,795	3,826	3,761	-0.7	-0.8	+0.2	3,840	3,700	3,736	3,837
33	Primary metals	5,202	5,156	5,048	4,719	+0.9	+2.1	+10.2	5,187	5,023	4,879	4,706
34	Fabricated metal products	6,629	6,637	6,536	6,413	-0.1	+1.5	+3.4	6,744	6,691	6,475	6,530
35	Machinery, except electrical	13,320	13,283	12,965	12,882	+0.3	+2.5	+3.4	13,459	13,208	12,670	13,018
36	Electrical machinery	9,156	9,194	9,095	8,708	-0.4	+1.1	+5.1	9,051	8,906	8,766	8,601
37	Transportation equipment	6,742	6,662	6,386	6,141	+1.2	+4.3	+9.8	6,774	6,644	6,330	6,207
38	Instruments and related products	3,646	3,648	3,702	3,656	-0.1	-1.5	-0.3	3,661	3,591	3,580	3,670
24,25, 39	All other durable goods	7,564	7,488	7,455	6,972	+1.0	+0.4	+8.5	7,865	7,530	7,181	7,227
	Nondurable goods industries	53,215	52,838	52,553	50,831	+0.7	+0.5	+4.7	53,273	52,576	51,668	50,795
20	Food and kindred products	12,940	12,873	12,903	12,597	+0.5	-0.2	+2.7	12,876	12,939	13,015	12,508
21	Tobacco products	926	889	896	752	+4.2	-0.8	+23.1	1,014	920	748	823
22	Textile mill products	2,789	2,810	2,796	2,843	-0.7	+0.5	-1.9	2,778	2,740	2,670	2,833
26	Paper and allied products	4,039	3,935	4,013	3,966	+2.6	-1.9	+1.8	4,066	3,926	3,913	3,993
28	Chemicals and allied products	14,867	14,832	14,474	14,031	+0.2	+2.5	+6.0	15,114	14,930	14,614	14,248
29	Petroleum and coal products	4,939	4,923	5,053	5,026	+0.3	-2.6	-1.7	4,930	4,976	4,974	4,983
30	Rubber and plastics products	4,328	4,345	4,243	3,959	-0.4	+2.4	+9.3	4,440	4,265	3,998	4,059
23,27, 31	All other nondurable goods	8,387	8,231	8,175	7,657	+1.9	+0.7	+9.5	8,055	7,880	7,736	7,348

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Feb. 1988[p]	Jan. 1988[r]	Dec. 1987	Feb. 1987[r]	Feb. 1988[p]	Jan. 1988[r]	Dec. 1987	Feb. 1987[r]
	All manufacturing industries	1.63	1.63	1.58	1.64	3.58	3.56	3.43	3.49
	Durable goods industries	2.01	2.01	1.92	2.02	4.47	4.44	4.22	4.36
32	Stone, clay, and glass products	1.39	1.39	1.36	1.36	0.53	0.54	0.53	0.53
33	Primary metals	1.77	1.74	1.56	1.99	2.19	2.14	1.98	1.99
34	Fabricated metal products	1.94	1.99	1.93	1.84	1.86	1.91	1.88	1.76
35	Machinery, except electrical	2.17	2.12	2.14	2.45	3.21	3.16	3.19	3.47
36	Electrical machinery	2.07	2.03	2.05	2.18	4.98	4.91	4.94	5.12
37	Transportation equipment	2.20	2.29	1.99	1.96	12.15	12.60	10.18	10.97
38	Instruments and related products	2.36	2.36	2.35	2.46	1.68	1.70	1.66	1.63
	Nondurable goods industries	1.21	1.20	1.19	1.21	0.53	0.53	0.54	0.50
20	Food and kindred products	0.85	0.84	0.87	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	4.12	6.12	2.57	4.30	(X)	(X)	(X)	(X)
22	Textile mill products	1.48	1.48	1.50	1.46	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.09	1.06	1.06	1.12	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.52	1.50	1.49	1.59	(X)	(X)	(X)	(X)
29	Petroleum and coal products	1.01	0.99	0.99	1.01	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.38	1.41	1.34	1.30	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Feb. 1987	All Febs. 1983-1987	Feb. 1987-Jan. 1988	Year ago Feb. 1987	All Febs. 1983-1987	Feb. 1987-Jan. 1988	Year ago Feb. 1987	All Febs. 1983-1987	Feb. 1987-Jan. 1988	Year ago Feb. 1987	All Febs. 1983-1987	Feb. 1987-Jan. 1988
	All manufacturing industries	0.1	0.2	0.2	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.3	0.4	0.2	0.1	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.3
32	Stone, clay, and glass products	1.1	0.9	0.7	0.8	1.3	0.5	0.8	1.7	0.8	0.8	0.4	0.3
33	Primary metals	0.2	0.6	0.6	0.6	0.9	1.1	0.1	0.6	0.4	0.4	0.3	0.2
34	Fabricated metal products	1.0	1.1	0.5	3.0	2.8	0.9	2.3	1.2	0.5	0.2	0.3	0.2
35	Machinery, except electrical	0.0	0.2	0.8	0.1	0.4	1.0	0.1	0.1	0.2	0.1	0.2	0.2
36	Electrical machinery	0.2	0.5	0.4	0.1	0.8	0.7	0.0	0.2	0.1	0.2	0.3	0.3
37	Transportation equipment	0.0	0.1	0.0	0.1	0.4	0.4	0.0	0.1	0.1	0.1	0.1	0.1
38	Instruments and related products	0.6	1.3	0.9	0.1	1.4	0.8	0.3	0.2	0.4	0.3	0.6	0.2
	Nondurable goods industries	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.1	0.2	0.1
20	Food and kindred products	0.1	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.3
21	Tobacco products	0.2	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
22	Textile mill products	0.6	0.9	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.5	0.5
26	Paper and allied products	0.4	0.5	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.2	0.3
28	Chemicals and allied product	0.8	0.6	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.2
29	Petroleum and coal products	4.0	1.5	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6	0.5
30	Rubber and plastics products	0.1	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.9	0.2
	Capital goods industries:												
	Nondefense	0.2	0.5	0.6	0.1	0.7	0.8	0.1	0.1	0.1	0.1	0.1	0.1
	Defense	0.2	0.5	0.3	0.4	0.6	1.2	0.0	0.1	1.2	0.0	0.2	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

3.158:
M3-1-(88)-3

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

JUN 1 1988

U.S. Department of Commerce
BUREAU OF THE CENSUS

March 1988
M3-1-(88)-3
For Wire Transmission 10:00 a.m. E.D.T. Monday, May 2, 1988

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in March increased $3.4 billion or 1.6 percent from February to $216.1 billion. February orders were approximately the same as January at $212.6 billion. New orders for durable goods in March were up $1.1 billion or 1.0 percent, revised from the no change reported earlier. Orders for nondurable goods increased $2.3 billion or 2.3 percent to $100.6 billion.

Shipments of manufactured goods in March increased $5.4 billion or 2.6 percent to $214.4 billion, exceeding the high in December of $211.4 billion. Durable goods shipments were up 3.0 percent and nondurables 2.2 percent.

Unfilled orders continued increasing, up $1.7 billion or 0.4 percent from February to $414.3 billion and 11.2 percent above March a year ago. About three-fourths of the orders backlog is for capital goods. The nondefense capital goods backlog is 19.3 percent above a year ago, while defense is up 3.6 percent for that period.

Current cost inventories in March increased $0.8 billion or 0.2 percent to $339.4 billion. Inventories have been increasing since June when they were estimated at $321.6 billion. The inventory to shipments ratio in March was 1.58, down from 1.62 in February.

New Orders

The increase in new orders for durable goods of $1.1 billion resulted from partially offsetting increases and decreases in the various industries. The largest increase was in transportation equipment, up $1.0 billion or 3.4 percent to $31.6 billion; both the motor vehicle and parts and aircraft and parts industries were up. Primary Metals increased $0.6 billion or 6.1 percent to $11.0 billion and nonelectrical machinery $0.4 billion or 2.1 percent to $20.1 billion. The largest decline was in electrical machinery, down $0.6 billion or 3.3 percent, most of which was in communication equipment.

The largest increases in the nondurable goods industries were in chemicals, tobacco products, and rubber and plastics products.

Shipments

The gain in durable goods shipments of 3.0 percent reflected increases in nearly all major industries. Transportation equipment was up $1.8 billion or 6.5 percent to $28.9 billion, most of which was in aircraft and parts. Primary metals increased $0.6 billion or 5.8 percent to $10.9 billion, nonelectrical machinery $0.6 billion or 2.9 percent to $20.2 billion and electrical machinery $0.3 billion or 1.4 percent to $19.8 billion.

The increase in nondurable goods shipments of $2.2 billion was concentrated in the chemicals, tobacco, and rubber and plastics industries. Chemicals increased $0.8 billion or 4.4 percent, tobacco $0.6 billion or 43.7 percent and rubber and plastics $0.5 billion or 6.7 percent.

Unfilled Orders

The increase in unfilled orders resulted from a large increase in transportation equipment more than offsetting a decline in electrical machinery. Within transportation equipment, aircraft and parts increased $2.7 billion or 1.7 percent, most of which was in defense. Within electrical machinery, communication equipment declined $1.4 billion or 2.0 percent, most of which was also in defense.

Inventories

Increases of durable goods inventories were concentrated in the transportation equipment and nonelectrical machinery industries, each up $0.5 billion. The largest increases in nondurable inventories were in petroleum products, food, and apparel.

Inventories of materials and supplies increased in both durables and nondurables; durables increased 1.0 percent and nondurables 0.9 percent. Work in process and finished goods in the durables sector showed little change from February; while for nondurables, work in process increased 1.5 percent and finished goods declined 0.7 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for April 1988 is scheduled for May 24, 1988, at 8:30 a.m. and the full report on June 1, 1988 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1988p	Feb. 1988r	Jan. 1988	Mar. 1987r	Feb.-Mar.p	Jan.-Feb.r	Mar.-88/87	Mar. 1988p	Feb. 1988r	Jan. 1988	Mar. 1987r	1988p	1987
	All manufacturing industries	214,351	208,913	207,241	196,788	+2.6	+0.8	+8.9	225,544	210,522	190,746	206,876	626,812	578,745
	Manufacturing industries with unfilled orders	118,893	115,892	114,908	107,914	+2.6	+0.9	+10.2	125,785	116,188	103,938	114,085	345,911	313,941
	Durable goods industries	113,783	110,522	108,946	104,175	+3.0	+1.4	+9.2	121,750	111,377	97,974	111,404	331,101	305,561
	With unfilled orders	92,956	89,974	88,973	83,975	+3.3	+1.1	+10.7	99,115	90,142	79,575	89,480	268,832	243,363
32	Stone, clay, and glass products	5,207	5,179	5,136	5,069	+0.5	+0.8	+2.7	5,277	4,868	4,446	5,130	14,591	14,233
33	Primary metals	10,865	10,270	10,371	8,437	+5.8	-1.0	+28.8	11,512	10,598	9,803	8,950	31,913	25,291
331	Blast furnaces, steel mills	4,840	4,606	4,501	3,523	+5.1	+2.3	+37.4	5,097	4,754	4,333	3,713	14,184	10,587
332	Iron and steel foundries	828	809	740	801	+2.3	+9.3	+3.4	880	834	694	851	2,408	2,438
333-9	Nonferrous and other primary metals	5,197	4,855	5,130	4,113	+7.0	-5.4	+26.4	5,535	5,010	4,776	4,386	15,321	12,266
34	Fabricated metal products	11,854	11,707	11,264	11,389	+1.3	+3.9	+4.1	12,433	11,723	10,269	11,954	34,425	33,641
35	Machinery, except electrical	20,213	19,652	19,692	17,101	+2.9	-0.2	+18.2	22,097	19,087	16,555	18,685	57,739	49,203
351	Engines and turbines	1,394	1,229	1,228	1,220	+13.4	+0.1	+14.3	1,542	1,278	1,124	1,346	3,944	3,424
353	Construction, mining, and material handling equipment	2,553	2,448	2,415	2,121	+4.3	+1.4	+20.4	2,642	2,419	2,149	2,189	7,210	5,776
354	Metalworking machinery	807	812	822	782	-0.6	-1.2	+3.2	937	809	680	906	2,426	2,215
357	Office and computing machines	5,708	5,531	5,734	4,553	+3.2	-3.5	+25.4	6,325	4,671	3,818	5,048	14,814	11,947
36	Electrical machinery	19,782	19,502	19,805	18,069	+1.4	-1.5	+9.5	21,138	19,421	17,540	19,323	58,099	52,799
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,269	2,379	2,376	2,175	-4.6	+0.1	+4.3	2,526	2,374	2,061	2,419	6,961	6,481
363	Household appliances	1,606	1,513	1,560	1,544	+6.1	-3.0	+4.0	1,630	1,441	1,426	1,567	4,497	4,456
365	Radio and TV	1,024	1,033	1,021	884	-0.9	+1.2	+15.8	1,048	986	941	908	2,975	2,957
366	Communication equipment	6,462	6,276	6,371	6,138	+3.0	-1.5	+5.3	7,199	6,204	5,292	6,829	18,695	17,435
367	Electronic components	4,526	4,683	4,717	3,933	-3.4	-0.7	+15.1	4,856	4,808	4,374	4,210	14,038	11,809
364,9	Other electrical machinery	3,895	3,618	3,760	3,395	+7.7	-3.8	+14.7	3,879	3,608	3,446	3,390	10,933	9,661
37	Transportation equipment	28,876	27,126	25,713	27,996	+6.5	+5.5	+3.1	31,446	28,910	24,547	30,441	84,903	84,148
371	Motor vehicles and parts	17,697	17,199	16,239	17,058	+2.9	+5.9	+3.7	19,831	18,856	15,828	19,106	54,515	55,063
372,6	Aircraft, missiles, and parts	9,338	8,076	7,686	9,150	+15.6	+5.1	+2.1	9,753	8,184	6,992	9,531	24,929	24,016
3731,95	Shipbuilding and military tank vehicles	764	839	786	775	-8.9	+6.7	-1.4	764	839	786	775	2,389	2,307
38	Instruments and related products	5,616	5,548	5,411	5,203	+1.2	+2.5	+7.9	5,936	5,481	4,903	5,494	16,320	15,008
381-4	Scientific and engineering instruments	3,777	3,759	3,649	3,471	+0.5	+3.0	+8.8	4,034	3,759	3,429	3,706	11,222	10,131
386	Photographic goods	1,674	1,624	1,584	1,567	+3.1	+2.5	+6.8	1,726	1,560	1,333	1,611	4,619	4,409
24,25, 39	All other durable goods	11,370	11,538	11,554	10,911	-1.5	-0.1	+4.2	11,911	11,289	9,911	11,427	33,111	31,238
	Nondurable goods industries	100,568	98,391	98,295	92,613	+2.2	+0.1	+8.6	103,794	99,145	92,772	95,472	295,711	273,184
	With unfilled orders	25,937	25,918	25,935	23,939	+0.1	-0.1	+8.3	26,670	26,046	24,363	24,605	77,079	70,578
20	Food and kindred products	29,352	28,999	29,383	27,128	+1.2	-1.3	+8.2	30,110	28,875	27,331	27,847	86,316	79,871
202	Dairy products	4,137	4,048	3,984	3,840	+2.2	+1.6	+7.7	4,211	4,020	3,793	3,907	12,024	11,369
208	Beverages	3,917	3,809	3,762	3,517	+2.8	+1.2	+11.4	3,788	3,420	3,272	3,407	10,480	9,835
203-6,9	All other foods	13,402	13,249	13,781	12,186	+1.2	-3.9	+10.0	14,421	13,784	12,718	13,132	40,923	37,066
21	Tobacco products	1,967	1,369	920	1,729	+43.7	+48.8	+13.8	1,967	1,369	920	1,729	4,256	3,815
22	Textile mill products	4,682	4,713	4,710	4,637	-0.7	+0.1	+1.0	4,995	4,661	4,083	4,963	13,739	13,515
221-4,6, 8,9	Broadwoven fabrics	2,792	2,828	2,866	2,791	-1.3	-1.3	0.0	3,029	2,842	2,557	3,044	8,428	8,330
26	Paper and allied products	10,748	10,627	10,777	9,406	+1.1	-1.4	+14.3	11,175	10,969	10,525	9,777	32,669	28,578
261-3,6	Pulp, paper etc	4,726	4,854	4,951	3,990	-2.6	-2.0	+18.4	5,007	5,026	4,783	4,230	14,816	12,334
265	Paperboard containers	2,376	2,268	2,271	2,015	+4.8	-0.1	+17.9	2,445	2,295	2,218	2,076	6,958	5,961
264	All other paper products	3,646	3,505	3,555	3,401	+4.0	-1.4	+7.2	3,723	3,648	3,524	3,471	10,895	10,283
28	Chemicals and allied products	19,943	19,102	18,883	16,935	+4.4	+1.2	+17.8	21,354	19,517	18,533	18,094	59,404	52,236
281,6	Industrial chemicals, except pigments	5,635	5,383	5,469	4,936	+4.7	-1.6	+14.2	6,007	5,500	5,223	5,264	16,730	14,988
283,4	Drugs, soaps, and toiletries	6,779	6,442	6,336	5,675	+5.2	+1.7	+19.5	7,199	6,511	6,371	6,026	20,081	18,000
282,9	Other chemical products	4,773	4,662	4,586	4,056	+2.4	+1.7	+17.7	4,935	4,886	4,357	4,202	14,178	12,227
29	Petroleum and coal products	10,145	10,123	10,366	10,167	+0.2	-2.3	-0.2	10,088	9,914	10,174	10,101	30,176	29,676
30	Rubber and plastics products	7,409	6,945	6,795	6,641	+6.7	+2.2	+11.6	7,566	7,109	6,323	6,782	20,998	19,371
23,27, 31	All other nondurable goods	16,322	16,513	16,461	15,970	-1.2	+0.3	+2.2	16,539	16,731	14,883	16,179	48,153	46,122
	Market categories:													
	Home goods and apparel	13,602	13,851	13,961	13,320	-1.8	-0.8	+2.1	14,367	14,182	11,984	14,060	40,533	38,930
	Consumer staples	42,204	40,919	40,835	38,686	+3.1	+0.2	+9.1	43,326	40,659	38,203	39,696	122,188	113,321
	Equipment and defense products, except automotive	35,831	34,562	34,097	31,999	+3.7	+1.4	+12.0	38,742	33,658	29,061	34,548	101,461	89,479
	Automotive equipment	19,902	19,305	18,288	19,091	+3.1	+5.6	+4.2	22,032	20,823	17,735	21,144	60,590	60,781
	Construction materials, supplies and intermediate products	16,776	16,823	16,456	16,093	-0.3	+2.2	+4.2	17,141	15,897	14,053	16,407	47,091	45,197
	Other materials, supplies, and intermediate products	86,036	83,453	83,604	77,599	+3.1	-0.2	+10.9	89,936	85,303	79,710	81,021	254,949	231,037
	Supplementary series:[2]													
	Capital goods industries	41,249	39,215	39,083	37,173	+5.2	+0.3	+11.0	44,114	38,484	33,521	39,706	116,119	103,755
	Nondefense	31,766	30,715	30,650	27,570	+3.4	+0.2	+15.2	33,973	29,929	26,016	29,498	89,918	77,561
	Defense	9,483	8,500	8,433	9,603	+11.6	+0.8	-1.2	10,141	8,555	7,505	10,208	26,201	26,194
	Household durable goods industries	6,535	6,618	6,717	6,125	-1.3	-1.5	+6.7	7,024	6,537	5,761	6,580	19,322	18,051

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Mar. 1988[p]	Feb. 1988[r]	Jan. 1988	Mar. 1987[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Mar.-88/87	Mar. 1988[p]	Feb. 1988[r]	Jan. 1988	Mar. 1987	1988[p]	1987
	All manufacturing industries	216,075	212,641	212,571	199,075	+1.6	0.0	+8.5	229,463	216,702	200,357	210,979	646,522	586,235
	Manufacturing industries with unfilled orders	120,617	119,620	120,238	110,201	+0.8	-0.5	+9.5	129,704	122,368	113,549	118,188	365,621	321,431
	Durable goods industries	115,454	114,319	114,196	105,950	+1.0	+0.1	+9.0	125,542	117,343	107,311	114,989	350,196	311,359
	With unfilled orders	94,627	93,771	94,223	85,750	+0.9	-0.5	+10.4	102,907	96,108	88,912	93,065	287,927	249,161
32	Stone, clay, and glass products	5,153	5,170	5,107	5,088	-0.3	+1.2	+1.3	5,264	4,982	4,473	5,191	14,719	14,420
33	Primary metals	11,010	10,377	10,254	9,021	+6.1	+1.2	+22.0	12,054	11,594	10,872	9,929	34,520	27,238
331	Blast furnaces, steel mills	4,748	4,318	4,308	3,924	+10.0	+0.2	+21.0	5,127	5,236	4,718	4,392	15,081	11,941
332	Iron and steel foundries	868	855	756	727	+1.5	+13.1	+19.4	902	885	846	760	2,633	2,424
333-9	Nonferrous and other primary metals	5,394	5,204	5,190	4,370	+3.7	+0.3	+23.4	6,025	5,473	5,308	4,777	16,806	12,873
34	Fabricated metal products	11,745	11,758	11,142	11,546	-0.1	+5.5	+1.7	12,381	11,943	10,217	12,172	34,541	33,647
35	Machinery, except electrical	20,132	19,720	20,552	17,367	+2.1	-4.0	+15.9	21,726	20,001	17,635	18,750	59,362	49,840
351	Engines and turbines	1,132	1,175	1,200	1,520	-3.7	-2.1	-25.5	1,213	1,184	1,011	1,588	3,408	3,159
353	Construction, mining, and material handling equipment	2,777	2,495	2,410	2,118	+11.3	+3.5	+31.1	2,864	2,502	2,177	2,176	7,543	5,805
354	Metalworking machinery	974	963	838	766	+1.1	+14.9	+27.2	1,090	954	723	890	2,767	2,191
357	Office and computing machines	5,288	5,347	5,933	4,686	-1.1	-9.9	+12.8	5,613	5,222	3,947	4,960	14,782	11,866
36	Electrical machinery	18,811	19,452	20,716	16,449	-3.3	-6.1	+14.4	21,547	19,692	19,355	19,069	60,594	51,689
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,347	2,371	2,413	2,196	-1.0	-1.7	+6.9	2,600	2,427	2,140	2,432	7,167	6,628
363	Household appliances	1,590	1,530	1,613	1,563	+3.9	-5.1	+1.7	1,610	1,434	1,505	1,581	4,549	4,455
365	Radio and TV	1,014	1,036	966	893	-2.1	+7.2	+13.5	1,038	989	886	917	2,913	2,864
366	Communication equipment	5,085	5,621	7,029	4,246	-9.5	-20.0	+19.8	6,882	5,625	6,765	6,084	19,272	16,397
367	Electronic components	4,806	5,237	4,907	4,206	-8.2	+6.7	+14.3	5,489	5,557	4,613	4,739	15,659	11,700
364,9	Other electrical machinery	3,969	3,657	3,788	3,345	+8.5	-3.5	+18.7	3,928	3,660	3,446	3,316	11,034	9,645
37	Transportation equipment	31,570	30,525	28,946	29,679	+3.4	+5.5	+6.4	34,764	32,096	29,416	32,385	96,276	86,892
372,6	Aircraft, missiles, and parts	11,991	11,600	10,603	10,150	+3.4	+9.4	+18.1	12,344	11,500	11,340	10,282	35,184	26,030
3731,95	Shipbuilding and military tank vehicles	879	835	1,261	1,426	+5.3	-33.8	-38.4	1,455	650	1,338	1,848	3,443	2,592
38	Instruments and related products	5,619	5,494	5,648	5,240	+2.3	-2.7	+7.2	5,940	5,445	5,163	5,533	16,548	15,259
381-4	Scientific and engineering instruments	3,773	3,785	3,843	3,480	-0.3	-1.5	+8.4	4,030	3,785	3,623	3,715	11,438	10,262
24,25, 39	All other durable goods	11,414	11,823	11,831	11,560	-3.5	-0.1	-1.3	11,866	11,590	10,180	11,960	33,636	32,374
	Nondurable goods industries	100,621	98,322	98,375	93,125	+2.3	-0.1	+8.0	103,921	99,359	93,046	95,990	296,326	274,876
	With unfilled orders	25,990	25,849	26,015	24,451	+0.5	-0.6	+6.3	26,797	26,260	24,637	25,123	77,694	72,270
	Market categories:													
	Home goods and apparel	13,636	14,179	14,200	13,784	-3.8	-0.1	-1.1	14,357	14,664	12,350	14,467	41,371	40,176
	Consumer staples	42,211	41,087	40,761	38,671	+2.7	+0.8	+9.2	43,327	40,852	38,172	39,659	122,351	113,312
	Equipment and defense products, except automotive	37,292	37,892	36,251	31,207	-1.6	+4.5	+19.5	41,474	37,577	33,791	34,836	112,842	90,903
	Automotive equipment	19,821	19,122	18,136	19,120	+3.7	+5.4	+3.7	22,061	20,820	17,711	21,261	60,592	61,224
	Construction materials, supplies and intermediate products	16,675	16,840	16,372	16,198	-1.0	+2.9	+2.9	17,120	16,129	14,104	16,614	47,353	45,253
	Other materials, supplies, and intermediate products	86,440	83,521	86,851	80,095	+3.5	-3.8	+7.9	91,124	86,660	84,229	84,142	262,013	235,367
	Supplementary series:[2]													
	Capital goods industries	42,538	42,320	43,895	37,351	+0.5	-3.6	+13.9	46,634	42,177	40,871	40,949	129,682	105,777
	Nondefense	32,496	33,764	34,791	27,693	-3.8	-3.0	+17.3	34,360	33,883	30,372	29,366	98,615	79,830
	Defense	10,042	8,556	9,104	9,658	+17.4	-6.0	+4.0	12,274	8,294	10,499	11,583	31,067	25,947
	Household durable goods industries	6,596	6,983	6,893	6,531	-5.5	+1.3	+1.0	7,014	6,923	6,031	6,914	19,968	18,923

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Mar. 1988p	Feb. 1988r	Jan. 1988	Mar. 1987r	Feb.-Mar.p	Jan.-Feb.r	Mar.-88/87	Mar. 1988p	Feb. 1988r	Jan. 1988	Mar. 1987
	All manufacturing industries	414,278	412,554	408,826	372,531	+0.4	+0.9	+11.2	420,124	416,205	410,025	377,900
	Durable goods industries	400,578	398,907	395,110	360,103	+0.4	+1.0	+11.2	406,240	402,448	396,482	365,334
32	Stone, clay, and glass products	2,473	2,527	2,536	2,495	-2.1	-0.4	-0.9	2,595	2,608	2,494	2,617
33	Primary metals	22,470	22,325	22,218	17,331	+0.6	+0.5	+29.7	24,212	23,670	22,674	18,674
331	Blast furnaces, steel mills	11,678	11,770	12,058	9,304	-0.8	-2.4	+25.5	12,776	12,746	12,264	10,205
332	Iron and steel foundries	3,080	3,040	2,994	2,623	+1.3	+1.5	+17.4	3,123	3,101	3,050	2,662
333-9	Nonferrous and other primary metals	7,712	7,515	7,166	5,404	+2.6	+4.9	+42.7	8,313	7,823	7,360	5,807
34	Fabricated metal products	19,376	19,485	19,434	18,603	-0.6	+0.3	+4.2	19,466	19,518	19,298	18,703
35	Machinery, except electrical	58,511	58,592	58,524	55,151	-0.1	+0.1	+6.1	58,538	58,909	57,995	55,195
351	Engines and turbines	14,215	14,477	14,531	14,302	-1.8	-0.4	-0.6	14,149	14,478	14,572	14,240
353	Construction, mining, and material handling equipment	5,116	4,892	4,845	4,277	+4.6	+1.0	+19.6	5,218	4,996	4,913	4,364
354	Metalworking machinery	3,372	3,205	3,054	3,118	+5.2	+4.9	+8.1	3,278	3,125	2,980	3,031
357	Office and computing machines	18,475	18,895	19,079	18,763	-2.2	-1.0	-1.5	18,235	18,947	18,396	18,552
36	Electrical machinery	96,123	97,094	97,144	90,241	-1.0	-0.1	+6.5	97,299	96,890	96,619	91,460
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,634	5,556	5,564	5,428	+1.4	-0.1	+3.8	5,680	5,606	5,553	5,475
363	Household appliances	274	290	273	284	-5.5	+6.2	-3.5	251	271	278	262
365	Radio and TV	298	308	305	270	-3.2	+1.0	+10.4	298	308	305	270
366	Communication equipment	69,079	70,456	71,111	67,121	-2.0	-0.9	+2.9	70,142	70,459	71,038	68,248
367	Electronic components	18,820	18,540	17,986	15,405	+1.5	+3.1	+22.2	18,971	18,338	17,589	15,522
364,9	Other electrical machinery	2,018	1,944	1,905	1,733	+3.8	+2.0	+16.4	1,957	1,908	1,856	1,683
37	Transportation equipment	186,129	183,435	180,036	161,835	+1.5	+1.9	+15.0	188,944	185,626	182,440	164,533
372,6	Aircraft, missiles, and parts	161,303	158,650	155,126	138,631	+1.7	+2.3	+16.4	163,492	160,901	157,585	140,740
3731,95	Shipbuilding and military tank vehicles	19,014	18,899	18,903	17,352	+0.6	0.0	+9.6	19,332	18,641	18,830	17,631
38	Instruments and related products	9,156	9,153	9,207	8,432	0.0	-0.6	+8.6	9,149	9,145	9,181	8,426
381-4	Scientific and engineering instruments	8,262	8,266	8,240	7,535	0.0	+0.3	+9.6	8,262	8,266	8,240	7,535
24,25, 39	All other durable goods	6,340	6,296	6,011	6,015	+0.7	+4.7	+5.4	6,037	6,082	5,781	5,726
	Nondurable goods industries	13,700	13,647	13,716	12,428	+0.4	-0.5	+10.2	13,884	13,757	13,543	12,566
	Market categories:											
	Home goods and apparel	5,011	4,977	4,649	4,637	+0.7	+7.1	+8.1	4,962	4,972	4,490	4,578
	Consumer staples	799	792	624	707	+0.9	+26.9	+13.0	858	857	664	754
	Equipment and defense products, except automotive	259,141	257,680	254,350	236,035	+0.6	+1.3	+9.8	262,542	259,810	255,891	239,411
	Automotive equipment	5,319	5,400	5,583	5,637	-1.5	-3.3	-5.6	5,627	5,598	5,601	5,947
	Construction materials, supplies and intermediate products	10,425	10,526	10,509	10,053	-1.0	+0.2	+3.7	10,507	10,528	10,296	10,144
	Other materials, supplies, and intermediate products	133,583	133,179	133,111	115,462	+0.3	+0.1	+15.7	135,628	134,440	133,083	117,066
	Supplementary series:[2]											
	Capital goods industries	318,479	317,190	314,085	287,823	+0.4	+1.0	+10.7	322,021	319,501	315,808	291,336
	Nondefense	154,214	153,484	150,435	129,291	+0.5	+2.0	+19.3	154,186	153,799	149,845	129,289
	Defense	164,265	163,706	163,650	158,532	+0.3	0.0	+3.6	167,835	165,702	165,963	162,047
	Household durable goods industries	4,051	3,990	3,625	3,905	+1.5	+10.1	+3.7	3,979	3,989	3,603	3,832

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Mar. 1988[p]	Feb. 1988[r]	Jan. 1988	Mar. 1987[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Mar.-88/87	Mar. 1988[p]	Feb. 1988[r]	Jan. 1988	Mar. 1987
	All manufacturing industries	339,376	338,552	336,815	320,034	+0.2	+0.5	+6.0	340,109	339,758	335,081	320,743
	Manufacturing industries with unfilled orders	230,703	230,112	228,617	217,352	+0.3	+0.7	+6.1	230,813	229,762	225,613	217,512
	Durable goods industries	220,796	220,318	219,014	208,111	+0.2	+0.6	+6.1	221,423	220,870	216,882	208,758
	With unfilled orders	202,690	202,129	200,753	190,961	+0.3	+0.7	+6.1	202,637	201,833	198,231	190,972
32	Stone, clay, and glass products	7,037	7,133	7,136	7,040	-1.3	0.0	0.0	7,198	7,236	7,029	7,201
33	Primary metals	18,185	18,188	18,020	16,568	0.0	+0.9	+9.8	18,029	18,085	17,819	16,435
331	Blast furnaces, steel mills	8,472	8,453	8,415	7,432	+0.2	+0.5	+14.0	8,201	8,294	8,236	7,190
332	Iron and steel foundries	1,241	1,258	1,262	1,128	-1.4	-0.3	+10.0	1,297	1,292	1,253	1,179
333-9	Nonferrous and other primary metals	8,472	8,477	8,343	8,008	-0.1	+1.6	+5.8	8,531	8,499	8,330	8,066
34	Fabricated metal products	22,306	22,468	22,361	21,450	-0.7	+0.5	+4.0	22,500	22,505	22,246	21,644
35	Machinery, except electrical	42,584	42,104	41,832	41,002	+1.1	+0.7	+3.9	42,758	42,364	41,553	41,147
351	Engines and turbines	2,920	2,924	2,857	2,822	-0.1	+2.3	+3.5	2,882	2,892	2,756	2,777
353	Construction, mining, and material handling equipment	6,825	6,711	6,757	6,699	+1.7	-0.7	+1.9	6,893	6,794	6,745	6,762
354	Metalworking machinery	2,898	2,797	2,873	2,936	+3.6	-2.6	-1.3	2,921	2,805	2,856	2,958
357	Office and computing machines	10,209	10,108	10,000	9,588	+1.0	+1.1	+6.5	10,117	10,081	9,791	9,500
36	Electrical machinery	40,155	40,326	40,195	39,006	-0.4	+0.3	+2.9	40,118	40,088	39,632	38,976
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,931	4,930	4,856	4,992	0.0	+1.5	-1.2	4,924	4,921	4,838	4,983
363	Household appliances	2,778	2,856	2,856	2,756	-2.7	0.0	+0.8	2,900	2,889	2,790	2,880
365	Radio and TV	1,640	1,668	1,736	1,805	-1.7	-3.9	-9.1	1,556	1,584	1,613	1,713
366	Communication equipment	16,368	16,515	16,549	16,033	-0.9	-0.2	+2.1	16,360	16,479	16,425	16,031
367	Electronic components	8,612	8,560	8,418	7,716	+0.6	+1.7	+11.6	8,569	8,516	8,373	7,682
364,9	Other electrical machinery	5,826	5,797	5,780	5,704	+0.5	+0.3	+2.1	5,809	5,699	5,593	5,687
37	Transportation equipment	59,498	59,018	58,827	53,461	+0.8	+0.3	+11.3	59,620	59,156	57,944	53,620
371	Motor vehicles and parts	11,534	11,669	11,806	11,226	-1.2	-1.2	+2.7	11,691	12,020	11,990	11,381
372,6	Aircraft, missiles, and parts	43,901	43,450	43,150	38,491	+1.0	+0.7	+14.1	43,844	43,184	42,089	38,482
3731,95	Shipbuilding and military tank vehicles	2,224	2,155	2,107	2,058	+3.2	+2.3	+8.1	2,209	2,130	2,067	2,039
38	Instruments and related products	12,840	12,863	12,757	12,519	-0.2	+0.8	+2.6	12,784	12,780	12,573	12,471
381-4	Scientific and engineering instruments	9,272	9,230	9,158	9,038	+0.5	+0.8	+2.6	9,244	9,174	9,032	9,018
386	Photographic goods	2,978	3,018	2,962	2,870	-1.3	+1.9	+3.8	2,954	3,003	2,921	2,845
24,25, 39	All other durable goods	18,191	18,218	17,886	17,065	-0.1	+1.9	+6.6	18,416	18,656	18,086	17,264
	Nondurable goods industries	118,580	118,234	117,801	111,923	+0.3	+0.4	+5.9	118,686	118,888	118,199	111,985
	With unfilled orders	28,013	27,983	27,864	26,391	+0.1	+0.4	+6.1	28,176	27,929	27,382	26,540
20	Food and kindred products	24,830	24,713	24,768	23,829	+0.5	-0.2	+4.2	24,308	24,885	25,317	23,332
202	Dairy products	2,296	2,424	2,420	2,114	-5.3	+0.2	+8.6	2,285	2,376	2,377	2,106
208	Beverages	4,269	4,235	4,404	4,656	+0.8	-3.8	-8.3	4,329	4,328	4,431	4,725
203-6,9	All other foods	14,407	14,333	14,372	13,940	+0.5	-0.3	+3.4	13,773	14,278	14,733	13,333
21	Tobacco products	5,643	5,608	5,628	5,651	+0.6	-0.4	-0.1	5,846	5,983	6,074	5,853
22	Textile mill products	6,889	6,959	6,984	6,862	-1.0	-0.4	+0.4	7,003	6,979	6,895	6,971
221-4,6, 8,9	Broadwoven fabrics	3,842	3,844	3,894	3,803	-0.1	-1.3	+1.0	3,927	3,885	3,860	3,884
26	Paper and allied products	11,448	11,501	11,391	10,805	-0.5	+1.0	+6.0	11,606	11,574	11,352	10,944
261-3,6	Pulp, paper etc.	4,295	4,347	4,245	4,140	-1.2	+2.4	+3.7	4,397	4,431	4,266	4,233
265	Paperboard containers	3,019	3,006	3,003	2,701	+0.4	+0.1	+11.8	3,094	3,057	3,049	2,764
264	All other paper products	4,134	4,148	4,143	3,964	-0.3	+0.1	+4.3	4,115	4,086	4,037	3,947
28	Chemicals and allied products	28,774	28,815	28,372	26,870	-0.1	+1.6	+7.1	28,947	29,029	28,416	27,033
281,6	Industrial chemicals, except pigments	8,601	8,670	8,495	8,061	-0.8	+2.1	+6.7	8,601	8,670	8,495	8,061
283,4	Drugs, soaps, and toiletries	9,534	9,439	9,240	8,750	+1.0	+2.2	+9.0	9,486	9,389	9,078	8,701
282,9	Other chemical products	6,852	6,854	6,874	6,342	0.0	-0.3	+8.0	6,927	6,938	6,988	6,403
29	Petroleum and coal products	10,464	10,301	10,298	10,295	+1.6	0.0	+1.6	10,323	10,290	10,370	10,129
30	Rubber and plastics products	9,525	9,531	9,576	8,568	-0.1	-0.5	+11.2	9,772	9,662	9,516	8,796
23,27, 31	All other nondurable goods	21,007	20,806	20,784	19,043	+1.0	+0.1	+10.3	20,881	20,486	20,259	18,927
	Market categories:											
	Home goods and apparel	27,065	27,151	27,099	25,668	-0.3	+0.2	+5.4	26,944	26,942	26,711	25,554
	Consumer staples	43,304	43,029	42,944	41,636	+0.6	+0.2	+4.0	42,982	43,423	43,491	41,341
	Equipment and defense products, except automotive	97,481	96,395	95,786	91,696	+1.1	+0.6	+6.3	97,668	96,613	94,855	91,886
	Automotive equipment	13,981	14,123	14,247	13,627	-1.0	-0.9	+2.6	14,253	14,587	14,456	13,890
	Construction materials, supplies and intermediate products	24,622	24,734	24,633	22,907	-0.5	+0.4	+7.5	25,125	25,157	24,555	23,376
	Other materials, supplies, and intermediate products	132,923	133,120	132,106	124,500	-0.1	+0.8	+6.8	133,137	133,036	131,013	124,696
	Supplementary series:[2]											
	Capital goods industries	113,228	112,299	111,563	105,796	+0.8	+0.7	+7.0	113,160	111,983	109,747	105,769
	Nondefense	75,933	74,994	74,460	71,599	+1.3	+0.7	+6.1	75,755	74,924	73,507	71,444
	Defense	37,295	37,305	37,103	34,197	0.0	+0.5	+9.1	37,405	37,059	36,240	34,325
	Household durable goods industries	13,388	13,540	13,512	13,234	-1.1	+0.2	+1.2	13,340	13,543	13,316	13,182

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Mar. 1988[p]	Feb. 1988[r]	Jan. 1988	Mar. 1987[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Mar.-88/87	Mar. 1988[p]	Feb. 1988[r]	Jan. 1988	Mar. 1987
	MATERIALS AND SUPPLIES											
	All manufacturing industries	108,627	107,585	107,136	102,336	+1.0	+0.4	+6.1	108,734	107,983	107,972	102,448
	Durable goods industries	61,770	61,167	60,930	59,197	+1.0	+0.4	+4.3	61,455	61,098	61,046	58,923
32	Stone, clay, and glass products	2,236	2,297	2,245	2,274	-2.7	+2.3	-1.7	2,228	2,297	2,233	2,256
33	Primary metals	5,761	5,631	5,564	5,376	+2.3	+1.2	+7.2	5,504	5,558	5,620	5,146
34	Fabricated metal products	7,805	7,865	7,830	7,318	-0.8	+0.4	+6.7	7,759	7,808	7,832	7,274
35	Machinery, except electrical	12,414	12,252	12,121	11,455	+1.3	+1.1	+8.4	12,423	12,243	12,125	11,478
36	Electrical machinery	10,559	10,515	10,442	10,230	+0.4	+0.7	+3.2	10,594	10,473	10,398	10,259
37	Transportation equipment	11,837	11,474	11,749	12,142	+3.2	-2.3	-2.5	11,837	11,517	11,718	12,157
38	Instruments and related products	4,326	4,332	4,273	4,045	-0.1	+1.4	+6.9	4,322	4,307	4,261	4,044
24,25, 39	All other durable goods	6,832	6,801	6,706	6,357	+0.5	+1.4	+7.5	6,788	6,895	6,859	6,309
	Nondurable goods industries	46,857	46,418	46,206	43,139	+0.9	+0.5	+8.6	47,279	46,885	46,926	43,525
20	Food and kindred products	9,605	9,400	9,410	8,830	+2.2	-0.1	+8.8	9,632	9,583	9,835	8,865
21	Tobacco products	4,467	4,426	4,472	4,752	+0.9	-1.0	-6.0	4,623	4,713	4,886	4,910
22	Textile mill products	1,985	1,998	2,012	1,806	-0.7	-0.7	+9.9	2,048	2,019	1,983	1,862
26	Paper and allied products	6,185	6,164	6,191	5,542	+0.3	-0.4	+11.6	6,298	6,227	6,171	5,635
28	Chemicals and allied products	9,647	9,708	9,359	9,020	-0.6	+3.7	+7.0	9,654	9,655	9,356	9,034
29	Petroleum and coal products	3,206	3,055	3,046	2,999	+4.9	+0.3	+6.9	3,212	3,067	3,057	2,990
30	Rubber and plastics products	3,679	3,680	3,715	3,163	0.0	-0.9	+16.3	3,709	3,684	3,732	3,191
23,27, 31	All other nondurable goods	8,083	7,987	8,001	7,027	+1.2	-0.2	+15.0	8,103	7,937	7,906	7,038
	WORK IN PROCESS											
	All manufacturing industries	121,730	121,697	120,978	113,313	0.0	+0.6	+7.4	122,170	121,871	119,240	113,744
	Durable goods industries	102,856	103,103	102,221	95,356	-0.2	+0.9	+7.9	103,206	103,176	100,543	95,714
32	Stone, clay, and glass products	1,097	1,098	1,096	976	-0.1	+0.2	+12.4	1,131	1,127	1,096	1,010
33	Primary metals	7,162	7,303	7,300	6,482	-1.9	0.0	+10.5	7,218	7,288	7,176	6,530
34	Fabricated metal products	7,870	7,954	7,894	7,630	-1.1	+0.8	+3.1	7,957	7,944	7,723	7,718
35	Machinery, except electrical	16,773	16,609	16,428	16,782	+1.0	+1.1	-0.1	16,969	16,729	16,220	16,955
36	Electrical machinery	20,420	20,618	20,559	19,903	-1.0	+0.3	+2.6	20,262	20,514	20,328	19,766
37	Transportation equipment	40,911	40,793	40,416	35,110	+0.3	+0.9	+16.5	41,033	40,863	39,582	35,245
38	Instruments and related products	4,873	4,899	4,836	4,844	-0.5	+1.3	+0.6	4,879	4,837	4,721	4,852
24,25, 39	All other durable goods	3,750	3,829	3,692	3,629	-2.1	+3.7	+3.3	3,757	3,874	3,697	3,638
	Nondurable goods industries	18,874	18,594	18,757	17,957	+1.5	-0.9	+5.1	18,964	18,695	18,697	18,030
20	Food and kindred products	2,379	2,371	2,485	2,401	+0.3	-4.6	-0.9	2,409	2,419	2,543	2,433
21	Tobacco products	227	253	267	131	-10.3	-5.2	+73.3	226	253	268	130
22	Textile mill products	2,129	2,156	2,162	2,127	-1.3	-0.3	+0.1	2,158	2,164	2,172	2,158
26	Paper and allied products	1,272	1,304	1,265	1,249	-2.5	+3.1	+1.8	1,260	1,280	1,255	1,237
28	Chemicals and allied products	4,373	4,242	4,181	4,093	+3.1	+1.5	+6.8	4,307	4,236	4,130	4,027
29	Petroleum and coal products	2,360	2,243	2,329	2,153	+5.2	-3.7	+9.6	2,365	2,251	2,337	2,147
30	Rubber and plastics products	1,573	1,530	1,516	1,403	+2.8	+0.9	+12.1	1,575	1,535	1,519	1,399
23,27, 31	All other nondurable goods	4,561	4,495	4,552	4,400	+1.5	-1.3	+3.7	4,664	4,557	4,473	4,499
	FINISHED GOODS											
	All manufacturing industries	109,019	109,270	108,701	104,385	-0.2	+0.5	+4.4	109,205	109,904	107,869	104,551
	Durable goods industries	56,170	56,048	55,863	53,558	+0.2	+0.3	+4.9	56,762	56,596	55,293	54,121
32	Stone, clay, and glass products	3,704	3,738	3,795	3,790	-0.9	-1.5	-2.3	3,839	3,812	3,700	3,935
33	Primary metals	5,262	5,254	5,156	4,710	+0.2	+1.9	+11.7	5,307	5,239	5,023	4,759
34	Fabricated metal products	6,631	6,649	6,637	6,502	-0.3	+0.2	+2.0	6,784	6,753	6,691	6,652
35	Machinery, except electrical	13,397	13,243	13,283	12,765	+1.2	-0.3	+5.0	13,366	13,392	13,208	12,714
36	Electrical machinery	9,176	9,193	9,194	8,873	-0.2	0.0	+3.4	9,262	9,101	8,906	8,951
37	Transportation equipment	6,750	6,751	6,662	6,209	0.0	+1.3	+8.7	6,750	6,776	6,644	6,218
38	Instruments and related products	3,641	3,632	3,648	3,630	+0.2	-0.4	+0.3	3,583	3,636	3,591	3,575
24,25, 39	All other durable goods	7,609	7,588	7,488	7,079	+0.3	+1.3	+7.5	7,871	7,887	7,530	7,317
	Nondurable goods industries	52,849	53,222	52,838	50,827	-0.7	+0.7	+4.0	52,443	53,308	52,576	50,430
20	Food and kindred products	12,846	12,942	12,873	12,598	-0.7	+0.5	+2.0	12,267	12,883	12,939	12,034
21	Tobacco products	949	929	889	768	+2.2	+4.5	+23.6	997	1,017	920	813
22	Textile mill products	2,775	2,805	2,810	2,929	-1.1	-0.2	-5.3	2,797	2,796	2,740	2,951
26	Paper and allied products	3,991	4,033	3,935	4,014	-1.0	+2.5	-0.6	4,048	4,067	3,926	4,072
28	Chemicals and allied products	14,754	14,865	14,832	13,757	-0.7	+0.2	+7.2	14,986	15,138	14,930	13,972
29	Petroleum and coal products	4,898	5,003	4,923	5,143	-2.1	+1.6	-4.8	4,746	4,972	4,976	4,992
30	Rubber and plastics products	4,273	4,321	4,345	4,002	-1.1	-0.6	+6.8	4,488	4,443	4,265	4,206
23,27, 31	All other nondurable goods	8,363	8,324	8,231	7,616	+0.5	+1.1	+9.8	8,114	7,992	7,880	7,390

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Mar. 1988p	Feb. 1988r	Jan. 1988	Mar. 1987r	Mar. 1988p	Feb. 1988r	Jan. 1988	Mar. 1987r
	All manufacturing industries	1.58	1.62	1.63	1.63	3.48	3.56	3.56	3.45
	Durable goods industries	1.94	1.99	2.01	2.00	4.31	4.43	4.44	4.29
32	Stone, clay, and glass products	1.35	1.38	1.39	1.39	0.52	0.53	0.54	0.54
33	Primary metals	1.67	1.77	1.74	1.96	2.07	2.17	2.14	2.05
34	Fabricated metal products	1.88	1.92	1.99	1.88	1.80	1.84	1.91	1.80
35	Machinery, except electrical	2.11	2.14	2.12	2.40	3.07	3.17	3.16	3.42
36	Electrical machinery	2.03	2.07	2.03	2.16	4.86	4.98	4.91	4.99
37	Transportation equipment	2.06	2.18	2.29	1.91	11.27	12.06	12.60	10.13
38	Instruments and related products	2.29	2.32	2.36	2.41	1.63	1.65	1.70	1.62
	Nondurable goods industries	1.18	1.20	1.20	1.21	0.53	0.53	0.53	0.52
20	Food and kindred products	0.85	0.85	0.84	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	2.87	4.10	6.12	3.27	(X)	(X)	(X)	(X)
22	Textile mill products	1.47	1.48	1.48	1.48	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.07	1.08	1.06	1.15	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.44	1.51	1.50	1.59	(X)	(X)	(X)	(X)
29	Petroleum and coal products	1.03	1.02	0.99	1.01	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.29	1.37	1.41	1.29	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Mar. 1987	All Mars. 1983-1987	Mar. 1987-Feb. 1988	Year ago Mar. 1987	All Mars. 1983-1987	Mar. 1987-Feb. 1988	Year ago Mar. 1987	All Mars. 1983-1987	Mar. 1987-Feb. 1988	Year ago Mar. 1987	All Mars. 1983-1987	Mar. 1987-Feb. 1988
	All manufacturing industries	0.0	0.1	0.2	0.3	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.0	0.1	0.3	0.4	0.4	0.5	0.2	0.2	0.1	0.1	0.1	0.3
32	Stone, clay, and glass products	0.7	0.6	0.7	0.9	0.8	0.5	0.2	0.5	0.7	0.0	0.3	0.2
33	Primary metals	0.0	0.9	0.6	0.3	1.6	1.1	0.1	0.7	0.4	0.0	0.2	0.2
34	Fabricated metal products	0.2	1.0	0.5	1.6	1.8	0.7	0.8	0.5	0.3	0.2	0.3	0.2
35	Machinery, except electrical	0.1	0.3	0.9	0.5	1.4	1.1	0.2	0.4	0.2	0.1	0.2	0.2
36	Electrical machinery	0.2	0.3	0.4	0.9	0.9	0.9	0.3	0.3	0.1	0.1	0.1	0.3
37	Transportation equipment	0.2	0.9	0.1	0.3	1.3	0.4	0.1	0.2	0.1	0.1	0.2	0.1
38	Instruments and related products	0.9	1.0	1.0	0.6	1.3	0.9	0.2	0.7	0.4	0.3	0.4	0.1
	Nondurable goods industries	0.1	0.2	0.3	0.1	0.2	0.3	0.1	0.3	0.4	0.2	0.2	0.1
20	Food and kindred products	0.2	0.2	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.3
21	Tobacco products	0.0	1.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.2
22	Textile mill products	0.5	1.6	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.3	0.5
26	Paper and allied products	0.1	0.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.2
28	Chemicals and allied product	0.0	0.9	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3	0.2
29	Petroleum and coal products	0.4	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.8	0.5
30	Rubber and plastics products	0.4	1.5	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3	0.3
	Capital goods industries:												
	Nondefense	0.2	0.7	0.6	0.4	2.0	0.9	0.1	0.2	0.2	0.1	0.1	0.1
	Defense	0.0	1.2	0.3	2.5	3.0	1.2	0.1	0.3	0.1	0.2	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

Special Fourth Class
Rate—Book

DEPARTMENT OF COMMERCE
75
UNITED STATES

3.158:
M3-1(88)-4

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

April 1988
M3 – 1 – (88) – 4
For Wire Transmission 10:00 a.m. E.D.T. Wednesday, June 1, 1988

(All Figures in text are in seasonally adjusted current dollars)

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JUL 7 1988
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Summary

New orders for manufactured goods in April increased $2.7 billion or 1.2 percent to $218.7 billion, following a 1.6 percent increase in March. Durable goods orders were up 1.0 percent; nondurable goods orders increased 1.5 percent.

Shipments of manufactured goods in April were unchanged from March at $214.6 billion. A decline in durables of $1.5 billion or 1.3 percent was offset by an increase in nondurables of $1.5 billion or 1.5 percent.

Unfilled orders for manufactured goods in April increased $4.1 billion or 1.0 percent to $418.1 billion, continuing the upward trend which began in March 1987; the February 1987 level was $370.2 billion.

Current cost inventories of manufacturers increased $1.4 billion or 0.4 percent to $341.0 billion, continuing an upward trend which began in April 1987. The inventory to shipments ratio in April was 1.59, up from 1.58 in March.

New Orders

Of the $2.7 billion increase in April orders, $1.2 billion was in durables and $1.5 billion in nondurables. The increase in the durable goods sector was concentrated in electrical machinery, up $0.8 billion or 4.2 percent to $19.5 billion; a large increase in defense communication equipment was partially offset by small declines in most of the other categories. Lumber and wood products were also up, following a decline in March.

Nonelectrical machinery declined $0.1 billion or 0.6 percent, with construction, mining and material handling equipment showing the largest decrease. Transportation equipment was virtually unchanged from March at $31.4 billion.

The increase in orders for nondurables was widespread with the largest gains in petroleum, chemicals, and paper products.

Shipments

The declines in shipments of durable goods in April were widespread. The largest decrease was in transportation equipment, down $1.0 billion or 3.6 percent; aircraft and parts accounted for most of the decrease. Nonelectrical machinery was down $0.6 billion or 2.7 percent; the office and computing equipment category accounted for most of that decline.

Shipments of nondurable goods showed widespread increases. Petroleum products were up $0.6 billion or 6.1 percent to $10.9 billion, paper product shipments were up $0.3 billion or 3.2 percent to $11.0 billion and chemicals up $0.4 billion or 2.1 percent $20.4 billion.

Unfilled Orders

Manufacturers' unfilled orders are concentrated in the durable goods sector, which increased $4.2 billion or 1.0 percent to $404.5 billion. Transportation equipment was up $3.5 billion, $3.1 billion of which was in aircraft and parts. Nonelectrical machinery increased $0.4 billion or 0.7 percent and primary metals $0.2 billion or 1.0 percent. The other industries were relatively flat.

Inventories

Inventories of durable goods in April increased $1.1 billion or 0.5 percent to $221.8 billion. About half of the increase was in aircraft and parts. Nondurable goods inventories increased $0.4 billion or 0.3 percent to $119.2 billion; all industries were up except chemicals and rubber and plastics products.

By stage of fabrication, the increase in total inventories in April was concentrated in materials and supplies, up 0.6 percent, and work in process, up 0.7 percent. Finished goods declined 0.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for May 1988 is scheduled for June 22, 1988, at 8:30 a.m. and the full report on June 30, 1988 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1988[p]	Mar. 1988[r]	Feb. 1988	Apr. 1987[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Apr.-88/87	Apr. 1988[p]	Mar. 1988[r]	Feb. 1988	Apr. 1987	1988[p]	1987
	All manufacturing industries	214,601	214,565	208,913	195,916	0.0	+2.7	+9.5	215,809	225,397	210,522	196,715	842,474	775,460
	Manufacturing industries with unfilled orders	118,018	118,954	115,892	106,887	-0.8	+2.6	+10.4	117,494	125,772	116,188	106,301	463,392	420,242
	Durable goods industries	112,286	113,764	110,522	102,834	-1.3	+2.9	+9.2	114,130	121,668	111,377	104,429	445,149	409,990
	With unfilled orders	91,250	93,029	89,974	82,824	-1.9	+3.4	+10.2	91,192	99,146	90,142	82,673	360,055	326,036
32	Stone, clay, and glass products	5,100	5,235	5,179	5,006	-2.6	+1.1	+1.9	5,374	5,316	4,868	5,264	20,004	19,497
33	Primary metals	10,675	10,890	10,270	8,592	-2.0	+6.0	+24.2	11,202	11,563	10,598	9,012	43,166	34,303
331	Blast furnaces, steel mills	4,701	4,838	4,606	3,645	-2.8	+5.0	+29.0	4,964	5,094	4,754	3,846	19,145	14,433
332	Iron and steel foundries	798	823	809	785	-3.0	+1.7	+1.7	839	875	834	825	3,242	3,263
333-9	Nonferrous and other primary metals	5,176	5,229	4,855	4,162	-1.0	+7.7	+24.4	5,399	5,594	5,010	4,341	20,779	16,607
34	Fabricated metal products	11,890	11,858	11,707	11,291	+0.3	+1.3	+5.3	12,092	12,406	11,723	11,483	46,490	45,124
35	Machinery, except electrical	19,669	20,223	19,652	17,107	-2.7	+2.9	+15.0	19,740	22,115	19,087	17,123	77,497	66,326
351	Engines and turbines	1,263	1,385	1,229	1,140	-8.8	+12.7	+10.8	1,357	1,536	1,278	1,225	5,295	4,649
353	Construction, mining, and material handling equipment	2,518	2,558	2,448	2,067	-1.6	+4.5	+21.8	2,677	2,653	2,419	2,187	9,898	7,963
354	Metalworking machinery	790	800	812	726	-1.3	-1.5	+8.8	729	936	809	674	3,154	2,889
357	Office and computing machines	5,191	5,695	5,531	4,663	-8.8	+3.0	+11.3	4,428	6,316	4,671	3,986	19,233	15,933
36	Electrical machinery	19,572	19,675	19,502	18,108	-0.5	+0.9	+8.1	18,803	21,068	19,421	17,357	76,832	70,156
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,258	2,252	2,379	2,234	+0.3	-5.3	+1.1	2,181	2,519	2,374	2,161	9,135	8,642
363	Household appliances	1,549	1,607	1,513	1,595	-3.6	+6.2	-2.9	1,510	1,633	1,441	1,552	6,010	6,008
365	Radio and TV	975	1,015	1,033	1,039	-3.9	-1.7	-6.2	822	1,043	986	882	3,792	3,839
366	Communication equipment	6,374	6,416	6,276	5,971	-0.7	+2.2	+6.7	6,027	7,152	6,204	5,658	24,675	23,093
367	Electronic components	4,746	4,527	4,683	3,770	+4.8	-3.3	+25.9	4,879	4,859	4,808	3,876	18,920	15,685
364,9	Other electrical machinery	3,670	3,858	3,618	3,499	-4.9	+6.6	+4.9	3,384	3,862	3,608	3,228	14,300	12,889
37	Transportation equipment	27,898	28,936	27,126	26,763	-3.6	+6.7	+4.2	29,218	31,449	28,910	28,019	114,124	112,167
371	Motor vehicles and parts	17,519	17,715	17,199	16,688	-1.1	+3.0	+5.0	19,070	19,822	18,856	18,145	73,576	73,208
372,6	Aircraft, missiles, and parts	8,372	9,379	8,076	8,303	-10.7	+16.1	+0.8	8,148	9,768	8,184	8,107	33,092	32,123
3731,95	Shipbuilding and military tank vehicles	785	763	839	789	+2.9	-9.1	-0.5	785	763	839	789	3,173	3,096
38	Instruments and related products	5,893	5,692	5,548	5,151	+3.5	+2.6	+14.4	5,686	5,994	5,481	4,972	22,064	19,980
381-4	Scientific and engineering instruments	3,999	3,845	3,759	3,441	+4.0	+2.3	+16.2	3,891	4,091	3,759	3,344	15,170	13,475
386	Photographic goods	1,726	1,681	1,624	1,553	+2.7	+3.5	+11.1	1,619	1,726	1,560	1,463	6,238	5,872
24,25, 39	All other durable goods	11,589	11,255	11,538	10,816	+3.0	-2.5	+7.1	12,015	11,757	11,289	11,199	44,972	42,437
	Nondurable goods industries	102,315	100,801	98,391	93,082	+1.5	+2.4	+9.9	101,679	103,729	99,145	92,286	397,325	365,470
	With unfilled orders	26,768	25,925	25,918	24,063	+3.3	0.0	+11.2	26,302	26,626	26,046	23,628	103,337	94,206
20	Food and kindred products	29,791	29,492	28,999	27,535	+1.0	+1.7	+8.2	29,136	30,162	28,875	26,922	115,504	106,793
202	Dairy products	4,007	4,060	4,048	3,932	-1.3	+0.3	+1.9	3,979	4,123	4,020	3,910	15,915	15,279
208	Beverages	3,961	3,934	3,809	3,576	+0.7	+3.3	+10.8	4,179	3,798	3,420	3,772	14,669	13,607
203-6,9	All other foods	13,984	13,600	13,249	12,336	+2.8	+2.6	+13.4	13,327	14,549	13,784	11,732	54,378	48,798
21	Tobacco products	1,347	1,967	1,369	1,156	-31.5	+43.7	+16.5	1,347	1,967	1,369	1,156	5,603	4,971
22	Textile mill products	4,872	4,692	4,713	4,682	+3.8	-0.4	+4.1	4,774	5,036	4,661	4,601	18,554	18,116
221-4,6, 8,9	Broadwoven fabrics	3,094	2,791	2,828	2,850	+10.9	-1.3	+8.6	2,989	3,039	2,842	2,755	11,427	11,085
26	Paper and allied products	11,011	10,674	10,627	9,463	+3.2	+0.4	+16.4	11,074	11,064	10,969	9,516	43,632	38,094
261-3,6	Pulp, paper etc.	5,060	4,723	4,854	4,045	+7.1	-2.7	+25.1	5,095	5,007	5,026	4,079	19,911	16,413
265	Paperboard containers	2,317	2,274	2,268	2,049	+1.9	+0.3	+13.1	2,380	2,309	2,295	2,103	9,202	8,064
264	All other paper products	3,634	3,677	3,505	3,369	-1.2	+4.9	+7.9	3,599	3,748	3,648	3,334	14,519	13,617
28	Chemicals and allied products	20,351	19,923	19,102	17,489	+2.1	+4.3	+16.4	21,040	21,158	19,517	17,986	80,248	70,222
281,6	Industrial chemicals, except pigments	5,691	5,644	5,383	5,097	+0.8	+4.8	+11.7	5,913	5,964	5,500	5,291	22,600	20,279
283,4	Drugs, soaps, and toiletries	7,023	6,669	6,442	5,909	+5.3	+3.5	+18.9	6,517	6,937	6,511	5,474	26,336	23,474
282,9	Other chemical products	4,721	4,763	4,662	4,168	-0.9	+2.2	+13.3	4,844	4,939	4,886	4,277	19,026	16,504
29	Petroleum and coal products	10,937	10,304	10,123	10,351	+6.1	+1.8	+5.7	10,916	10,240	9,914	10,324	41,244	40,000
30	Rubber and plastics products	7,263	7,356	6,945	6,479	-1.3	+5.9	+12.1	7,461	7,521	7,109	6,646	28,414	26,017
23,27, 31	All other nondurable goods	16,743	16,393	16,513	15,927	+2.1	-0.7	+5.1	15,931	16,581	16,731	15,135	64,126	61,257
	Market categories:													
	Home goods and apparel	13,673	13,640	13,851	13,409	+0.2	-1.5	+2.0	12,953	14,409	14,182	12,700	53,528	51,630
	Consumer staples	42,582	42,255	40,919	38,798	+0.8	+3.3	+9.8	41,302	43,112	40,659	37,647	163,276	150,968
	Equipment and defense products, except automotive	34,797	35,890	34,562	31,340	-3.0	+3.8	+11.0	33,881	38,767	33,658	30,460	135,367	119,939
	Automotive equipment	19,775	19,909	19,305	18,794	-0.7	+3.1	+5.2	21,399	22,012	20,823	20,320	81,969	81,101
	Construction materials, supplies and intermediate products	16,959	16,718	16,823	15,734	+1.4	-0.6	+7.8	17,759	17,059	15,897	16,451	64,768	61,648
	Other materials, supplies, and intermediate products	86,815	86,153	83,453	77,841	+0.8	+3.2	+11.5	88,515	90,038	85,303	79,137	343,566	310,174
	Supplementary series:[2]													
	Capital goods industries	39,397	41,202	39,215	36,336	-4.4	+5.1	+8.4	38,081	44,074	38,484	35,126	154,160	138,881
	Nondefense	30,928	31,705	30,715	27,476	-2.5	+3.2	+12.6	29,935	33,938	29,929	26,564	119,818	104,125
	Defense	8,469	9,497	8,500	8,860	-10.8	+11.7	-4.4	8,146	10,136	8,555	8,562	34,342	34,756
	Household durable goods industries	6,502	6,497	6,618	6,259	+0.1	-1.8	+3.9	6,249	6,974	6,537	6,009	25,521	24,060

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987r	Mar.-Apr.p	Feb.-Mar.r	Apr.-88/87	Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987	1988p	1987
	All manufacturing industries	218,675	216,013	212,641	200,688	+1.2	+1.6	+9.0	218,749	229,375	216,702	200,818	865,183	787,053
	Manufacturing industries with unfilled orders	122,092	120,402	119,620	111,659	+1.4	+0.7	+9.3	120,434	129,750	122,368	110,404	486,101	431,835
	Durable goods industries	116,437	115,252	114,319	107,137	+1.0	+0.8	+8.7	117,156	125,609	117,343	108,067	467,419	419,426
	With unfilled orders	95,401	94,517	93,771	87,127	+0.9	+0.8	+9.5	94,218	103,087	96,108	86,311	382,325	335,472
32	Stone, clay, and glass products	5,110	5,186	5,170	5,006	-1.5	+0.3	+2.1	5,344	5,302	4,982	5,223	20,101	19,643
33	Primary metals	10,905	10,936	10,377	9,248	-0.3	+5.4	+17.9	11,139	12,102	11,594	9,619	45,707	36,857
331	Blast furnaces, steel mills	4,440	4,594	4,318	4,228	-3.4	+6.4	+5.0	4,586	5,106	5,236	4,517	19,646	16,458
332	Iron and steel foundries	835	897	855	775	-6.9	+4.9	+7.7	886	932	885	819	3,549	3,243
333-9	Nonferrous and other primary metals	5,630	5,445	5,204	4,245	+3.4	+4.6	+32.6	5,667	6,064	5,473	4,283	22,512	17,156
34	Fabricated metal products	11,905	11,744	11,758	11,218	+1.4	-0.1	+6.1	12,040	12,357	11,943	11,347	46,557	44,994
35	Machinery, except electrical	20,099	20,216	19,720	17,733	-0.6	+2.5	+13.3	20,322	21,814	20,001	17,891	79,772	67,731
351	Engines and turbines	1,243	1,144	1,175	1,314	+8.7	-2.6	-5.4	1,256	1,218	1,184	1,302	4,669	4,461
353	Construction, mining, and material handling equipment	2,481	2,784	2,495	2,155	-10.9	+11.6	+15.1	2,601	2,870	2,502	2,236	10,150	8,041
354	Metalworking machinery	998	963	963	735	+3.6	0.0	+35.8	976	1,094	954	725	3,747	2,916
357	Office and computing machines	5,309	5,340	5,347	4,913	-0.6	-0.1	+8.1	4,865	5,683	5,222	4,576	19,717	16,442
36	Electrical machinery	19,488	18,707	19,452	19,730	+4.2	-3.8	-1.2	18,450	21,539	19,692	18,647	79,036	70,336
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,273	2,337	2,371	2,244	-2.7	-1.4	+1.3	2,187	2,595	2,427	2,160	9,349	8,788
363	Household appliances	1,511	1,581	1,530	1,560	-4.4	+3.3	-3.1	1,477	1,614	1,434	1,533	6,030	5,988
365	Radio and TV	881	1,013	1,036	985	-13.0	-2.2	-10.6	728	1,041	989	828	3,644	3,692
366	Communication equipment	6,295	5,018	5,621	7,386	+25.4	-10.7	-14.8	5,453	6,853	5,625	6,533	24,696	22,930
367	Electronic components	4,852	4,824	5,237	4,065	+0.6	-7.9	+19.4	5,181	5,522	5,557	4,345	20,873	16,045
364,9	Other electrical machinery	3,676	3,934	3,657	3,490	-6.6	+7.6	+5.3	3,424	3,914	3,660	3,248	14,444	12,893
37	Transportation equipment	31,403	31,376	30,525	28,286	+0.1	+2.8	+11.0	31,916	34,684	32,096	29,025	128,112	115,917
372,6	Aircraft, missiles, and parts	11,464	11,752	11,600	9,433	-2.5	+1.3	+21.5	10,443	12,274	11,500	8,774	45,557	34,804
3731,95	Shipbuilding and military tank vehicles	1,115	884	835	1,115	+26.1	+5.9	0.0	1,185	1,454	650	1,167	4,627	3,759
38	Instruments and related products	5,866	5,702	5,494	5,216	+2.9	+3.8	+12.5	5,668	6,007	5,445	5,046	22,283	20,305
381-4	Scientific and engineering instruments	3,988	3,848	3,785	3,473	+3.6	+1.7	+14.8	3,880	4,094	3,785	3,376	15,382	13,638
24,25, 39	All other durable goods	11,661	11,385	11,823	10,700	+2.4	-3.7	+9.0	12,277	11,804	11,590	11,269	45,851	43,643
	Nondurable goods industries	102,238	100,761	98,322	93,551	+1.5	+2.5	+9.3	101,593	103,766	99,359	92,751	397,764	367,627
	With unfilled orders	26,691	25,885	25,849	24,532	+3.1	+0.1	+8.8	26,216	26,663	26,260	24,093	103,776	96,363
	Market categories:													
	Home goods and apparel	13,651	13,675	14,179	13,397	-0.2	-3.6	+1.9	12,979	14,422	14,664	12,760	54,415	52,936
	Consumer staples	42,550	42,278	41,087	38,812	+0.6	+2.9	+9.6	41,271	43,120	40,852	37,653	163,415	150,965
	Equipment and defense products, except automotive	36,218	37,243	37,892	33,816	-2.8	-1.7	+7.1	34,461	41,639	37,577	32,384	147,468	123,287
	Automotive equipment	19,827	19,848	19,122	18,841	-0.1	+3.8	+5.2	21,371	22,043	20,820	20,261	81,945	81,485
	Construction materials, supplies and intermediate products	16,905	16,627	16,840	15,677	+1.7	-1.3	+7.8	17,708	17,063	16,129	16,410	65,004	61,663
	Other materials, supplies, and intermediate products	89,524	86,342	83,521	80,145	+3.7	+3.4	+11.7	90,959	91,088	86,660	81,350	352,936	316,717
	Supplementary series:[2]													
	Capital goods industries	43,122	42,279	42,320	39,809	+2.0	-0.1	+8.3	40,777	46,604	42,177	37,829	170,429	143,606
	Nondefense	33,105	32,475	33,764	28,534	+1.9	-3.8	+16.0	32,305	34,359	33,883	27,803	130,919	107,633
	Defense	10,017	9,804	8,556	11,275	+2.2	+14.6	-11.2	8,472	12,245	8,294	10,026	39,510	35,973
	Household durable goods industries	6,493	6,577	6,983	6,180	-1.3	-5.8	+5.1	6,275	6,990	6,923	5,975	26,219	24,898

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987r	Mar.-Apr.p	Feb.-Mar.r	Apr.-88/87	Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987
	All manufacturing industries	418,076	414,002	412,554	377,303	+1.0	+0.4	+10.8	423,123	420,183	416,205	382,003
	Durable goods industries	404,546	400,395	398,907	364,406	+1.0	+0.4	+11.0	409,415	406,389	402,448	368,972
32	Stone, clay, and glass products	2,488	2,478	2,527	2,495	+0.4	-1.9	-0.3	2,564	2,594	2,608	2,576
33	Primary metals	22,601	22,371	22,325	17,987	+1.0	+0.2	+25.7	24,146	24,209	23,670	19,281
331	Blast furnaces, steel mills	11,265	11,526	11,770	9,887	-2.3	-2.1	+13.9	12,380	12,758	12,746	10,876
332	Iron and steel foundries	3,151	3,114	3,040	2,613	+1.2	+2.4	+20.6	3,205	3,158	3,101	2,656
333-9	Nonferrous and other primary metals	8,185	7,731	7,515	5,487	+5.9	+2.9	+49.2	8,561	8,293	7,823	5,749
34	Fabricated metal products	19,386	19,371	19,485	18,530	+0.1	-0.6	+4.6	19,417	19,469	19,518	18,567
35	Machinery, except electrical	59,015	58,585	58,592	55,777	+0.7	0.0	+5.8	59,190	58,608	58,909	55,963
351	Engines and turbines	14,216	14,236	14,477	14,476	-0.1	-1.7	-1.8	14,059	14,160	14,478	14,317
353	Construction, mining, and material handling equipment	5,081	5,118	4,892	4,365	-0.7	+4.6	+16.4	5,137	5,213	4,996	4,413
354	Metalworking machinery	3,576	3,368	3,205	3,127	+6.2	+5.1	+14.4	3,530	3,283	3,125	3,082
357	Office and computing machines	18,658	18,540	18,895	19,013	+0.6	-1.9	-1.9	18,751	18,314	18,947	19,142
36	Electrical machinery	96,042	96,126	97,094	91,863	-0.1	-1.0	+4.5	97,008	97,361	96,890	92,750
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,656	5,641	5,556	5,438	+0.3	+1.5	+4.0	5,688	5,682	5,606	5,474
363	Household appliances	226	264	290	249	-14.4	-9.0	-9.2	219	252	271	243
365	Radio and TV	212	306	308	216	-30.7	-0.6	-1.9	212	306	308	216
366	Communication equipment	68,979	69,058	70,456	68,536	-0.1	-2.0	+0.6	69,586	70,160	70,459	69,123
367	Electronic components	18,943	18,837	18,540	15,700	+0.6	+1.6	+20.7	19,303	19,001	18,338	15,991
364,9	Other electrical machinery	2,026	2,020	1,944	1,724	+0.3	+3.9	+17.5	2,000	1,960	1,908	1,703
37	Transportation equipment	189,380	185,875	183,435	163,358	+1.9	+1.3	+15.9	191,559	188,861	185,626	165,539
372,6	Aircraft, missiles, and parts	164,115	161,023	158,650	139,761	+1.9	+1.5	+17.4	165,702	163,407	160,901	141,407
3731,95	Shipbuilding and military tank vehicles	19,350	19,020	18,899	17,678	+1.7	+0.6	+9.5	19,732	19,332	18,641	18,009
38	Instruments and related products	9,136	9,163	9,153	8,497	-0.3	+0.1	+7.5	9,140	9,158	9,145	8,500
381-4	Scientific and engineering instruments	8,258	8,269	8,266	7,567	-0.1	0.0	+9.1	8,258	8,269	8,266	7,567
24,25, 39	All other durable goods	6,498	6,426	6,296	5,899	+1.1	+2.1	+10.2	6,391	6,129	6,082	5,796
	Nondurable goods industries	13,530	13,607	13,647	12,897	-0.6	-0.3	+4.9	13,708	13,794	13,757	13,031
	Market categories:											
	Home goods and apparel	4,990	5,012	4,977	4,625	-0.4	+0.7	+7.9	5,011	4,985	4,972	4,638
	Consumer staples	783	815	792	721	-3.9	+2.9	+8.6	834	865	857	760
	Equipment and defense products, except automotive	260,454	259,033	257,680	238,511	+0.5	+0.5	+9.2	263,262	262,682	259,810	241,335
	Automotive equipment	5,391	5,339	5,400	5,684	+1.0	-1.1	-5.2	5,601	5,629	5,598	5,888
	Construction materials, supplies and intermediate products	10,381	10,435	10,526	9,996	-0.5	-0.9	+3.9	10,481	10,532	10,528	10,103
	Other materials, supplies, and intermediate products	136,077	133,368	133,179	117,766	+2.0	+0.1	+15.5	137,934	135,490	134,440	119,279
	Supplementary series:[2]											
	Capital goods industries	321,992	318,267	317,190	291,296	+1.2	+0.3	+10.5	324,727	322,031	319,501	294,039
	Nondefense	156,431	154,254	153,484	130,349	+1.4	+0.5	+20.0	156,590	154,220	153,799	130,528
	Defense	165,561	164,013	163,706	160,947	+0.9	+0.2	+2.9	168,137	167,811	165,702	163,511
	Household durable goods industries	4,061	4,070	3,990	3,826	-0.2	+2.0	+6.1	4,031	4,005	3,989	3,798

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987r	Mar.-Apr.p	Feb.-Mar.r	Apr.-88/87	Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987
	All manufacturing industries	340,978	339,545	338,552	320,670	+0.4	+0.3	+6.3	343,397	340,352	339,758	322,978
	Manufacturing industries with unfilled orders	232,296	230,768	230,112	217,851	+0.7	+0.3	+6.6	234,035	230,984	229,762	219,526
	Durable goods industries	221,793	220,730	220,318	208,684	+0.5	+0.2	+6.3	223,512	221,463	220,870	210,363
	With unfilled orders	203,767	202,629	202,129	191,548	+0.6	+0.2	+6.4	205,049	202,653	201,833	192,803
32	Stone, clay, and glass products	7,030	7,010	7,133	6,994	+0.3	-1.7	+0.5	7,200	7,177	7,236	7,167
33	Primary metals	18,223	18,202	18,188	16,539	+0.1	+0.1	+10.2	18,282	18,082	18,085	16,610
331	Blast furnaces, steel mills	8,540	8,467	8,453	7,370	+0.9	+0.2	+15.9	8,378	8,207	8,294	7,230
332	Iron and steel foundries	1,236	1,258	1,258	1,164	-1.7	0.0	+6.2	1,305	1,322	1,292	1,228
333-9	Nonferrous and other primary metals	8,447	8,477	8,477	8,005	-0.4	0.0	+5.5	8,599	8,553	8,499	8,152
34	Fabricated metal products	22,483	22,283	22,468	21,380	+0.9	-0.8	+5.2	22,805	22,468	22,505	21,692
35	Machinery, except electrical	42,734	42,523	42,104	41,171	+0.5	+1.0	+3.8	43,153	42,711	42,364	41,558
351	Engines and turbines	2,952	2,937	2,924	2,835	+0.5	+0.4	+4.1	2,956	2,904	2,892	2,832
353	Construction, mining, and material handling equipment	6,923	6,843	6,711	6,673	+1.2	+2.0	+3.7	6,958	6,915	6,794	6,715
354	Metalworking machinery	2,874	2,898	2,797	2,948	-0.8	+3.6	-2.5	2,914	2,919	2,805	2,989
357	Office and computing machines	10,130	10,150	10,108	9,604	-0.2	+0.4	+5.5	10,292	10,054	10,081	9,747
36	Electrical machinery	40,176	40,134	40,326	39,120	+0.1	-0.5	+2.7	40,542	40,120	40,088	39,474
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,943	4,925	4,930	4,987	+0.4	-0.1	-0.9	5,002	4,921	4,921	5,043
363	Household appliances	2,808	2,790	2,856	2,725	+0.6	-2.3	+3.0	3,005	2,908	2,889	2,916
365	Radio and TV	1,632	1,625	1,668	1,729	+0.4	-2.6	-5.6	1,658	1,541	1,584	1,750
366	Communication equipment	16,364	16,366	16,515	16,247	0.0	-0.9	+0.7	16,395	16,363	16,479	16,278
367	Electronic components	8,629	8,593	8,560	7,708	+0.4	+0.4	+11.9	8,612	8,557	8,516	7,694
364,9	Other electrical machinery	5,800	5,835	5,797	5,724	-0.6	+0.7	+1.3	5,870	5,830	5,699	5,793
37	Transportation equipment	60,027	59,501	59,018	53,785	+0.9	+0.8	+11.6	60,114	59,618	59,156	53,887
371	Motor vehicles and parts	11,507	11,536	11,669	11,079	-0.3	-1.1	+3.9	11,579	11,711	12,020	11,150
372,6	Aircraft, missiles, and parts	44,484	43,902	43,450	38,831	+1.3	+1.0	+14.6	44,527	43,824	43,184	38,889
3731,95	Shipbuilding and military tank vehicles	2,201	2,222	2,155	2,144	-0.9	+3.1	+2.7	2,216	2,208	2,130	2,160
38	Instruments and related products	12,920	12,847	12,863	12,475	+0.6	-0.1	+3.6	13,007	12,794	12,780	12,563
381-4	Scientific and engineering instruments	9,281	9,263	9,230	8,971	+0.2	+0.4	+3.5	9,290	9,246	9,174	8,986
386	Photographic goods	3,060	2,985	3,018	2,882	+2.5	-1.1	+6.2	3,127	2,954	3,003	2,943
24,25, 39	All other durable goods	18,200	18,230	18,218	17,220	-0.2	+0.1	+5.7	18,409	18,493	18,656	17,412
	Nondurable goods industries	119,185	118,815	118,234	111,986	+0.3	+0.5	+6.4	119,885	118,889	118,888	112,615
	With unfilled orders	28,529	28,139	27,983	26,303	+1.4	+0.6	+8.5	28,986	28,331	27,929	26,723
20	Food and kindred products	24,789	24,775	24,713	23,865	+0.1	+0.3	+3.9	24,298	24,214	24,885	23,383
202	Dairy products	2,165	2,293	2,424	2,126	-5.6	-5.4	+1.8	2,204	2,272	2,376	2,166
208	Beverages	4,224	4,241	4,235	4,602	-0.4	+0.1	-8.2	4,342	4,306	4,328	4,737
203-6,9	All other foods	14,439	14,369	14,333	13,910	+0.5	+0.3	+3.8	13,703	13,717	14,278	13,187
21	Tobacco products	5,673	5,641	5,608	5,689	+0.6	+0.6	-0.3	5,798	5,846	5,983	5,812
22	Textile mill products	6,987	6,920	6,959	6,840	+1.0	-0.6	+2.1	7,166	7,029	6,979	7,005
221-4,6, 8,9	Broadwoven fabrics	3,850	3,839	3,844	3,802	+0.3	-0.1	+1.3	3,969	3,920	3,885	3,911
26	Paper and allied products	11,529	11,450	11,501	10,790	+0.7	-0.4	+6.8	11,772	11,619	11,574	11,017
261-3,6	Pulp, paper etc.	4,358	4,300	4,347	4,157	+1.3	-1.1	+4.8	4,435	4,397	4,431	4,230
265	Paperboard containers	3,112	3,033	3,006	2,716	+2.6	+0.9	+14.6	3,177	3,103	3,057	2,774
264	All other paper products	4,059	4,117	4,148	3,917	-1.4	-0.7	+3.6	4,160	4,119	4,086	4,013
28	Chemicals and allied products	28,606	28,846	28,815	26,875	-0.8	+0.1	+6.4	28,791	29,023	29,029	27,043
281,6	Industrial chemicals, except pigments	8,460	8,603	8,670	8,085	-1.7	-0.8	+4.6	8,460	8,603	8,670	8,085
283,4	Drugs, soaps, and toiletries	9,481	9,603	9,439	8,702	-1.3	+1.7	+9.0	9,566	9,557	9,389	8,784
282,9	Other chemical products	6,881	6,861	6,854	6,381	+0.3	+0.1	+7.8	7,012	6,938	6,938	6,501
29	Petroleum and coal products	10,705	10,548	10,301	10,278	+1.5	+2.4	+4.2	10,502	10,355	10,290	10,104
30	Rubber and plastics products	9,477	9,523	9,531	8,600	-0.5	-0.1	+10.2	9,759	9,793	9,662	8,868
23,27, 31	All other nondurable goods	21,419	21,112	20,806	19,049	+1.5	+1.5	+12.4	21,799	21,010	20,486	19,383
	Market categories:											
	Home goods and apparel	27,064	27,095	27,151	25,611	-0.1	-0.2	+5.7	27,655	27,016	26,942	26,154
	Consumer staples	43,311	43,306	43,029	41,570	0.0	+0.6	+4.2	43,065	42,965	43,423	41,337
	Equipment and defense products, except automotive	97,816	97,420	96,395	92,230	+0.4	+1.1	+6.1	98,260	97,622	96,613	92,693
	Automotive equipment	13,969	13,988	14,123	13,469	-0.1	-1.0	+3.7	14,078	14,274	14,587	13,573
	Construction materials, supplies and intermediate products	24,718	24,573	24,734	22,975	+0.6	-0.7	+7.6	25,248	25,091	25,157	23,469
	Other materials, supplies, and intermediate products	134,100	133,163	133,120	124,815	+0.7	0.0	+7.4	135,091	133,384	133,036	125,752
	Supplementary series:[2]											
	Capital goods industries	113,944	113,175	112,299	106,661	+0.7	+0.8	+6.8	114,570	113,115	111,983	107,272
	Nondefense	76,406	75,870	74,994	71,897	+0.7	+1.2	+6.3	76,875	75,711	74,924	72,364
	Defense	37,538	37,305	37,305	34,764	+0.6	0.0	+8.0	37,695	37,404	37,059	34,908
	Household durable goods industries	13,304	13,390	13,540	13,179	-0.6	-1.1	+0.9	13,551	13,362	13,543	13,418

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		Apr. 1988[p]	Mar. 1988[r]	Feb. 1988	Apr. 1987[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Apr.-88/87	Apr. 1988[p]	Mar. 1988[r]	Feb. 1988	Apr. 1987
	MATERIALS AND SUPPLIES											
	All manufacturing industries	109,282	108,579	107,585	103,197	+0.6	+0.9	+5.9	109,486	108,686	107,983	103,502
	Durable goods industries	62,069	61,692	61,167	59,619	+0.6	+0.9	+4.1	61,864	61,404	61,098	59,550
32	Stone, clay, and glass products	2,277	2,257	2,297	2,221	+0.9	-1.7	+2.5	2,279	2,254	2,297	2,222
33	Primary metals	5,791	5,786	5,631	5,365	+0.1	+2.8	+7.9	5,558	5,538	5,558	5,150
34	Fabricated metal products	7,853	7,784	7,865	7,331	+0.9	-1.0	+7.1	7,867	7,743	7,808	7,348
35	Machinery, except electrical	12,417	12,333	12,252	11,690	+0.7	+0.7	+6.2	12,433	12,342	12,243	11,718
36	Electrical machinery	10,596	10,525	10,515	10,392	+0.7	+0.1	+2.0	10,692	10,564	10,473	10,484
37	Transportation equipment	11,876	11,817	11,474	12,088	+0.5	+3.0	-1.8	11,918	11,816	11,517	12,221
38	Instruments and related products	4,392	4,333	4,332	4,110	+1.4	0.0	+6.9	4,404	4,328	4,307	4,128
24,25, 39	All other durable goods	6,867	6,857	6,801	6,422	+0.1	+0.8	+6.9	6,713	6,819	6,895	6,279
	Nondurable goods industries	47,213	46,887	46,418	43,578	+0.7	+1.0	+8.3	47,622	47,282	46,885	43,952
20	Food and kindred products	9,517	9,475	9,400	8,921	+0.4	+0.8	+6.7	9,641	9,458	9,583	9,035
21	Tobacco products	4,444	4,463	4,426	4,787	-0.4	+0.8	-7.2	4,466	4,623	4,713	4,823
22	Textile mill products	2,020	2,003	1,998	1,833	+0.8	+0.3	+10.2	2,103	2,066	2,019	1,904
26	Paper and allied products	6,255	6,191	6,164	5,592	+1.0	+0.4	+11.9	6,345	6,305	6,227	5,667
28	Chemicals and allied products	9,740	9,713	9,708	8,996	+0.3	+0.1	+8.3	9,733	9,708	9,655	8,992
29	Petroleum and coal products	3,202	3,246	3,055	3,023	-1.4	+6.3	+5.9	3,185	3,241	3,067	3,016
30	Rubber and plastics products	3,782	3,739	3,680	3,220	+1.2	+1.6	+17.5	3,810	3,778	3,684	3,250
23,27, 31	All other nondurable goods	8,253	8,057	7,987	7,206	+2.4	+0.9	+14.5	8,339	8,103	7,937	7,265
	WORK IN PROCESS											
	All manufacturing industries	122,628	121,816	121,697	113,442	+0.7	+0.1	+8.1	123,171	122,267	121,871	113,847
	Durable goods industries	103,673	102,888	103,103	95,605	+0.8	-0.2	+8.4	104,088	103,274	103,176	95,891
32	Stone, clay, and glass products	1,114	1,104	1,098	988	+0.9	+0.5	+12.8	1,138	1,143	1,127	1,009
33	Primary metals	7,325	7,171	7,303	6,373	+2.1	-1.8	+14.9	7,428	7,251	7,288	6,474
34	Fabricated metal products	7,964	7,875	7,954	7,587	+1.1	-1.0	+5.0	8,081	7,958	7,944	7,697
35	Machinery, except electrical	16,860	16,793	16,609	16,767	+0.4	+1.1	+0.6	17,017	16,989	16,729	16,912
36	Electrical machinery	20,471	20,431	20,618	20,050	+0.2	-0.9	+2.1	20,412	20,280	20,514	20,003
37	Transportation equipment	41,310	40,858	40,793	35,403	+1.1	+0.2	+16.7	41,331	40,977	40,863	35,303
38	Instruments and related products	4,904	4,865	4,899	4,796	+0.8	-0.7	+2.3	4,947	4,869	4,837	4,835
24,25, 39	All other durable goods	3,725	3,791	3,829	3,641	-1.7	-1.0	+2.3	3,734	3,807	3,874	3,658
	Nondurable goods industries	18,955	18,928	18,594	17,837	+0.1	+1.8	+6.3	19,083	18,993	18,695	17,956
20	Food and kindred products	2,427	2,356	2,371	2,407	+3.0	-0.6	+0.8	2,415	2,389	2,419	2,396
21	Tobacco products	244	227	253	120	+7.5	-10.3	+103.3	242	226	253	120
22	Textile mill products	2,148	2,131	2,156	2,120	+0.8	-1.2	+1.3	2,170	2,160	2,164	2,139
26	Paper and allied products	1,299	1,273	1,304	1,248	+2.0	-2.4	+4.1	1,292	1,259	1,280	1,240
28	Chemicals and allied products	4,311	4,399	4,242	4,046	-2.0	+3.7	+6.5	4,295	4,322	4,236	4,030
29	Petroleum and coal products	2,402	2,349	2,243	2,158	+2.3	+4.7	+11.3	2,389	2,346	2,251	2,153
30	Rubber and plastics products	1,501	1,523	1,530	1,360	-1.4	-0.5	+10.4	1,494	1,527	1,535	1,340
23,27, 31	All other nondurable goods	4,623	4,670	4,495	4,378	-1.0	+3.9	+5.6	4,786	4,764	4,557	4,538
	FINISHED GOODS											
	All manufacturing industries	109,068	109,150	109,270	104,031	-0.1	-0.1	+4.8	110,740	109,399	109,904	105,629
	Durable goods industries	56,051	56,150	56,048	53,460	-0.2	+0.2	+4.8	57,560	56,785	56,596	54,922
32	Stone, clay, and glass products	3,639	3,649	3,738	3,785	-0.3	-2.4	-3.9	3,783	3,780	3,812	3,936
33	Primary metals	5,107	5,245	5,254	4,801	-2.6	-0.2	+6.4	5,296	5,293	5,239	4,986
34	Fabricated metal products	6,666	6,624	6,649	6,462	+0.6	-0.4	+3.2	6,857	6,767	6,753	6,647
35	Machinery, except electrical	13,457	13,397	13,243	12,714	+0.4	+1.2	+5.8	13,703	13,380	13,392	12,928
36	Electrical machinery	9,109	9,178	9,193	8,678	-0.8	-0.2	+5.0	9,438	9,276	9,101	8,987
37	Transportation equipment	6,841	6,826	6,751	6,294	+0.2	+1.1	+8.7	6,865	6,825	6,776	6,363
38	Instruments and related products	3,624	3,649	3,632	3,569	-0.7	+0.5	+1.5	3,656	3,597	3,636	3,600
24,25, 39	All other durable goods	7,608	7,582	7,588	7,157	+0.3	-0.1	+6.3	7,962	7,867	7,887	7,475
	Nondurable goods industries	53,017	53,000	53,222	50,571	0.0	-0.4	+4.8	53,180	52,614	53,308	50,707
20	Food and kindred products	12,845	12,944	12,942	12,537	-0.8	0.0	+2.5	12,242	12,367	12,883	11,952
21	Tobacco products	985	951	929	782	+3.6	+2.4	+26.0	1,090	997	1,017	869
22	Textile mill products	2,819	2,786	2,805	2,887	+1.2	-0.7	-2.4	2,893	2,803	2,796	2,962
26	Paper and allied products	3,975	3,986	4,033	3,950	-0.3	-1.2	+0.6	4,135	4,055	4,067	4,110
28	Chemicals and allied products	14,555	14,734	14,865	13,833	-1.2	-0.9	+5.2	14,763	14,993	15,138	14,021
29	Petroleum and coal products	5,101	4,953	5,003	5,097	+3.0	-1.0	+0.1	4,928	4,768	4,972	4,935
30	Rubber and plastics products	4,194	4,261	4,321	4,020	-1.6	-1.4	+4.3	4,455	4,488	4,443	4,278
23,27, 31	All other nondurable goods	8,543	8,385	8,324	7,465	+1.9	+0.7	+14.4	8,674	8,143	7,992	7,580

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987r	Apr. 1988p	Mar. 1988r	Feb. 1988	Apr. 1987r
	All manufacturing industries	1.59	1.58	1.62	1.64	3.54	3.48	3.56	3.53
	Durable goods industries	1.98	1.94	1.99	2.03	4.43	4.30	4.43	4.40
32	Stone, clay, and glass products	1.38	1.34	1.38	1.40	0.54	0.52	0.53	0.54
33	Primary metals	1.71	1.67	1.77	1.92	2.12	2.05	2.17	2.09
34	Fabricated metal products	1.89	1.88	1.92	1.89	1.81	1.80	1.84	1.82
35	Machinery, except electrical	2.17	2.10	2.14	2.41	3.19	3.07	3.17	3.45
36	Electrical machinery	2.05	2.04	2.07	2.16	4.91	4.89	4.98	5.07
37	Transportation equipment	2.15	2.06	2.18	2.01	12.04	11.21	12.06	10.95
38	Instruments and related products	2.19	2.26	2.32	2.42	1.55	1.61	1.65	1.65
	Nondurable goods industries	1.16	1.18	1.20	1.20	0.51	0.52	0.53	0.54
20	Food and kindred products	0.83	0.84	0.85	0.87	(X)	(X)	(X)	(X)
21	Tobacco products	4.21	2.87	4.10	4.92	(X)	(X)	(X)	(X)
22	Textile mill products	1.43	1.47	1.48	1.46	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.05	1.07	1.08	1.14	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.41	1.45	1.51	1.54	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.98	1.02	1.02	0.99	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.29	1.37	1.33	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Apr. 1987	All Aprs. 1983-1987	Apr. 1987-Mar. 1988	Year ago Apr. 1987	All Aprs. 1983-1987	Apr. 1987-Mar. 1988	Year ago Apr. 1987	All Aprs. 1983-1987	Apr. 1987-Mar. 1988	Year ago Apr. 1987	All Aprs. 1983-1987	Apr. 1987-Mar. 1988
	All manufacturing industries	0.3	0.3	0.2	0.4	0.2	0.4	0.0	0.1	0.1	0.0	0.0	0.1
	Durable goods industries	0.4	0.4	0.3	0.7	0.6	0.5	0.0	0.1	0.1	1.9	0.4	0.2
32	Stone, clay, and glass products	0.1	0.9	0.7	0.1	0.9	0.5	0.1	1.3	0.7	0.1	0.2	0.3
33	Primary metals	0.4	0.6	0.7	0.1	1.2	1.1	0.2	0.1	0.4	0.1	0.1	0.2
34	Fabricated metal products	0.7	0.7	0.5	0.6	0.9	0.6	0.0	0.2	0.3	0.2	0.3	0.2
35	Machinery, except electrical	2.5	0.8	0.9	3.9	1.1	1.1	0.4	0.2	0.2	0.1	0.1	0.2
36	Electrical machinery	0.1	0.3	0.4	0.0	0.7	0.8	0.1	0.1	0.1	0.2	0.3	0.2
37	Transportation equipment	0.1	0.8	0.0	0.0	1.9	0.4	0.0	0.2	0.1	0.0	0.1	0.1
38	Instruments and related products	1.0	1.1	1.0	0.0	1.1	0.9	0.6	0.6	0.4	0.1	0.3	0.1
	Nondurable goods industries	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.1
20	Food and kindred products	0.7	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.6	0.3
21	Tobacco products	0.2	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	1.6	0.4	0.2
22	Textile mill products	2.1	1.3	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.8	0.5	0.5
26	Paper and allied products	0.7	1.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.4	0.2
28	Chemicals and allied product	0.7	0.6	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.2
29	Petroleum and coal products	1.8	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.5
30	Rubber and plastics products	0.1	1.4	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
	Capital goods industries:												
	Nondefense	1.7	0.6	0.6	2.6	1.0	0.9	0.2	0.1	0.1	0.1	0.1	0.1
	Defense	0.0	0.6	0.3	0.0	3.0	1.0	0.0	0.2	0.0	0.0	0.2	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:
M3-1-88-6

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

June 1988
M3-1-88-6
For Wire Transmission 10:00 a. m. E.D.T. Tuesday, August 2, 1988

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in June increased $12.0 billion or 5.5 percent from May to $229.8 billion. The durable goods sector accounted for most of the June gain, increasing $10.8 billion or 9.4 percent to $125.9 billion, revising the earlier reported 8.8 percent increase. Both defense shipbuilding and defense and nondefense aircraft and parts were up sharply. Orders for nondurable goods in June increased $1.2 billion or 1.2 percent to $103.9 billion.

Shipments of manufactured goods in June increased $3.2 billion or 1.5 percent to $220.6 billion. Over half of the increase was in the durables sector, up $1.9 billion or 1.6 percent to $116.6 billion. Shipments of nondurable goods were up $1.3 billion or 1.2 percent to $104.0 billion.

Unfilled orders in June increased $9.2 billion or 2.2 percent to $428.1 billion, the largest one-month increase since the 2.8 percent increase in March 1984. The value of manufacturers' inventories in June increased $1.5 billion or 0.4 percent to $344.8 billion, following a 0.7 percent increase in May. Inventories have been growing steadily since March 1987 when they were valued at $320.0 billion. The inventory to shipments ratio for June was 1.56, down from 1.58 in May.

New Orders

The increase in durable goods orders in June of 9.4 percent was the largest since the 10.9 percent gain in December 1982. The increase in June orders was concentrated in the transportation equipment industry, up $10.1 billion or 35.9 percent to $38.2 billion. Aircraft and parts increased $5.2 billion to $12.9 billion and shipbuilding and tanks $4.6 billion to $5.2 billion.

The increase in nondurable goods new orders of 1.2 percent was concentrated in the foods, apparel, paper, and petroleum product industries.

Shipments

The 1.6 percent increase in shipments of durable goods reflected widespread gains; the largest were in transportation equipment and nonelectrical machinery. Transportation equipment increased $0.6 billion or 2.1 percent to $29.7 billion; the aircraft and motor vehicles industries accounted for most of the gain.

Nonelectrical machinery increased $0.6 billion or 2.8 percent to $20.6 billion, with the largest gain in office and computing equipment. The largest decline in shipments was in electrical machinery, down $0.3 billion or 1.4 percent to $19.9 billion.

Over half of the increase in nondurable goods shipments of 1.2 percent was in the foods industry, up $0.7 billion or 2.4 percent to $30.6 billion. Apparel, paper and petroleum products were also up.

Unfilled Orders

The 2.2 percent increase in unfilled orders of manufacturers resulted mostly from the large increase in transportation equipment of $8.5 billion or 4.5 percent to $196.9 billion. The orders backlog for nonelectrical machinery increased $0.9 billion or 1.5 percent to $60.7 billion.

The orders backlog for nondurable goods declined $0.1 billion or 0.6 percent to $13.4 billion.

Inventories

Both the durable and nondurable goods sectors had inventory increases. Durables were up $0.8 billion or 0.4 percent to $224.3 billion and nondurables $0.7 billion or 0.6 percent to $120.4 billion.

The increase in inventories in June was mostly in materials and supplies, up 0.7 percent, and finished goods up 0.6 percent; work in process was virtually flat.

SCHEDULED RELEASE DATES. The advance report on durable goods for July 1988 is scheduled for August 23, 1988 at 8:30 a.m. and the full report on August 30, 1988 at 10:00 a.m.

SEP 10 1988

See back page for upcoming historical data revisions.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1988P	May 1988r	Apr. 1988	June 1987r	May-June P	Apr.-May r	June-88/87	June 1988P	May 1988r	Apr. 1988	June 1987	1988P	1987
	All manufacturing industries	220,640	217,481	214,794	200,952	+1.5	+1.3	+9.8	233,872	218,390	215,898	212,816	1,294,825	1,186,541
	Manufacturing industries with unfilled orders	121,564	119,982	118,336	109,363	+1.3	+1.4	+11.2	129,833	119,367	117,786	116,643	712,884	643,786
	Durable goods industries	116,613	114,735	112,627	104,888	+1.6	+1.9	+11.2	126,004	116,232	114,347	113,238	687,602	627,420
	With unfilled orders	94,951	93,429	91,515	84,704	+1.6	+2.1	+12.1	102,373	93,257	91,403	91,206	555,896	500,238
32	Stone, clay, and glass products	5,245	5,217	5,101	4,954	+0.5	+2.3	+5.9	5,693	5,409	5,352	5,380	31,084	30,021
33	Primary metals	11,483	11,052	10,719	9,039	+3.9	+3.1	+27.0	12,211	11,424	11,232	9,623	66,831	52,960
331	Blast furnaces, steel mills	4,908	4,788	4,750	3,896	+2.5	+0.8	+26.0	5,286	4,973	5,017	4,198	29,457	22,559
332	Iron and steel foundries	921	889	818	773	+3.6	+8.7	+19.1	994	935	858	834	5,190	4,884
333-9	Nonferrous and other primary metals	5,654	5,375	5,151	4,370	+5.2	+4.3	+29.4	5,931	5,516	5,357	4,591	32,184	25,517
34	Fabricated metal products	12,377	12,097	11,863	11,138	+2.3	+2.0	+11.1	13,325	12,377	12,049	11,976	72,149	68,417
35	Machinery, except electrical	20,649	20,084	19,710	17,316	+2.8	+1.9	+19.2	23,372	19,957	19,789	19,552	120,875	103,065
351	Engines and turbines	1,358	1,304	1,258	1,215	+4.1	+3.7	+11.8	1,451	1,377	1,345	1,298	8,111	7,182
353	Construction, mining, and material handling equipment	2,540	2,515	2,505	2,155	+1.0	+0.4	+17.9	2,728	2,585	2,664	2,324	15,198	12,411
354	Metalworking machinery	830	870	803	760	-4.6	+8.3	+9.2	922	850	735	839	4,932	4,450
357	Office and computing machines	5,683	5,442	5,168	4,578	+4.4	+5.3	+24.1	7,013	4,875	4,401	5,640	31,094	25,861
36	Electrical machinery	19,919	20,198	19,719	18,704	-1.4	+2.4	+6.5	21,386	19,574	18,950	20,105	117,939	108,090
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,350	2,379	2,362	2,266	-1.2	+0.7	+3.7	2,542	2,343	2,290	2,448	14,129	13,298
363	Household appliances	1,541	1,583	1,547	1,602	-2.7	+2.3	-3.8	1,744	1,568	1,507	1,815	9,319	9,356
365	Radio and TV	987	1,165	970	1,138	-15.3	+20.1	-13.3	1,068	1,078	821	1,230	5,937	6,111
366	Communication equipment	6,572	6,315	6,366	6,141	+4.1	-0.8	+7.0	7,118	6,056	6,034	6,656	37,856	35,618
367	Electronic components	4,852	4,828	4,770	4,065	+0.5	+1.2	+19.4	5,109	4,831	4,882	4,290	28,863	23,948
364,9	Other electrical machinery	3,617	3,928	3,704	3,492	-7.9	+6.0	+3.6	3,805	3,698	3,416	3,666	21,835	19,759
37	Transportation equipment	29,691	29,086	27,960	27,297	+2.1	+4.0	+8.8	31,320	30,334	29,195	28,787	175,755	168,332
371	Motor vehicles and parts	18,914	18,708	17,612	16,604	+1.1	+6.2	+13.9	20,128	20,043	19,071	17,700	113,748	108,420
372,6	Aircraft, missiles, and parts	8,770	8,406	8,330	8,849	+4.3	+0.9	-0.9	9,156	8,316	8,109	9,225	50,525	49,448
3731,95	Shipbuilding and military tank vehicles	812	865	799	872	-6.1	+8.3	-6.9	812	865	799	872	4,864	4,785
38	Instruments and related products	5,830	5,712	5,877	5,288	+2.1	-2.8	+10.2	6,318	5,638	5,677	5,724	34,011	30,889
381-4	Scientific and engineering instruments	3,907	3,833	3,978	3,502	+1.9	-3.6	+11.6	4,208	3,773	3,880	3,767	23,140	20,664
386	Photographic goods	1,785	1,744	1,731	1,618	+2.4	+0.8	+10.3	1,967	1,723	1,621	1,782	9,930	9,248
24,25, 39	All other durable goods	11,419	11,289	11,678	11,152	+1.2	-3.3	+2.4	12,379	11,519	12,103	12,091	68,958	65,646
	Nondurable goods industries	104,027	102,746	102,167	96,064	+1.2	+0.6	+8.3	107,868	102,158	101,551	99,578	607,223	559,121
	With unfilled orders	26,613	26,553	26,821	24,659	+0.2	-1.0	+7.9	27,460	26,110	26,383	25,437	156,988	143,548
20	Food and kindred products	30,587	29,858	29,855	27,766	+2.4	0.0	+10.2	31,582	29,842	29,186	28,662	176,978	162,986
202	Dairy products	4,114	4,019	4,004	3,958	+2.4	+0.4	+3.9	4,316	4,146	3,980	4,151	24,378	23,472
208	Beverages	3,988	3,867	3,971	3,596	+3.1	-2.6	+10.9	4,463	4,112	4,211	4,029	23,276	21,416
203-6,9	All other foods	14,245	13,991	14,008	12,391	+1.8	-0.1	+15.0	14,359	13,535	13,336	12,473	82,281	73,203
21	Tobacco products	2,048	2,096	1,349	2,060	-2.3	+55.4	-0.6	2,048	2,096	1,349	2,060	9,749	8,701
22	Textile mill products	4,872	4,844	4,896	4,783	+0.6	-1.1	+1.9	5,214	4,817	4,804	5,126	28,615	27,863
221-4,6, 8,9	Broadwoven fabrics	2,976	3,036	3,086	2,908	-2.0	-1.6	+2.3	3,214	3,042	2,980	3,144	17,674	17,062
26	Paper and allied products	11,250	11,054	10,990	9,785	+1.8	+0.6	+15.0	11,824	11,038	11,063	10,295	66,483	57,980
261-3,6	Pulp, paper etc.	5,055	4,932	5,039	4,163	+2.5	-2.1	+21.4	5,205	4,957	5,096	4,298	30,074	24,846
265	Paperboard containers	2,464	2,428	2,318	2,187	+1.5	+4.7	+12.7	2,636	2,457	2,379	2,325	14,294	12,506
264	All other paper products	3,731	3,694	3,633	3,435	+1.0	+1.7	+8.6	3,983	3,624	3,588	3,672	22,115	20,628
28	Chemicals and allied products	19,924	19,921	20,118	17,820	0.0	-1.0	+11.8	21,068	20,163	20,844	18,892	121,283	107,223
281,6	Industrial chemicals, except pigments	5,773	5,842	5,714	5,256	-1.2	+2.2	+9.8	6,114	5,928	5,919	5,572	34,648	31,323
283,4	Drugs, soaps, and toiletries	6,406	6,616	6,860	6,009	-3.2	-3.6	+6.6	6,918	6,079	6,368	6,514	39,184	35,433
282,9	Other chemical products	4,885	4,757	4,688	4,331	+2.7	+1.5	+12.8	5,032	4,802	4,809	4,453	28,825	25,399
29	Petroleum and coal products	11,222	10,975	10,834	11,087	+2.3	+1.3	+1.2	11,359	10,991	10,819	11,218	63,497	61,974
30	Rubber and plastics products	7,370	7,389	7,302	6,572	-0.3	+1.2	+12.1	7,901	7,515	7,473	7,041	43,842	39,656
23,27, 31	All other nondurable goods	16,754	16,609	16,823	16,191	+0.9	-1.3	+3.5	16,872	15,696	16,013	16,284	96,776	92,738
	Market categories:													
	Home goods and apparel	13,921	13,883	13,766	13,767	+0.3	+0.8	+1.1	14,616	13,099	13,051	14,460	81,341	78,795
	Consumer staples	43,086	42,974	42,529	40,115	+0.3	+1.0	+7.4	44,747	42,415	41,241	41,672	250,377	231,670
	Equipment and defense products, except automotive	35,895	35,301	34,910	32,043	+1.7	+1.1	+12.0	39,599	34,575	34,057	35,223	209,717	185,875
	Automotive equipment	21,226	20,940	19,871	18,683	+1.4	+5.4	+13.6	22,592	22,308	21,400	19,914	126,870	120,599
	Construction materials, supplies and intermediate products	16,835	16,720	16,973	15,771	+0.7	-1.5	+6.7	18,477	17,399	17,737	17,318	100,622	95,270
	Other materials, supplies, and intermediate products	89,677	87,663	86,745	80,573	+2.3	+1.1	+11.3	93,841	88,594	88,412	84,229	525,898	474,332
	Supplementary series:[2]													
	Capital goods industries	40,911	40,193	39,537	37,382	+1.8	+1.7	+9.4	44,794	39,215	38,259	40,733	238,347	215,162
	Nondefense	31,897	31,837	31,069	27,924	+0.2	+2.5	+14.2	35,386	31,018	30,105	30,885	186,392	161,474
	Defense	9,014	8,356	8,468	9,458	+7.9	-1.3	-4.7	9,408	8,197	8,154	9,848	51,955	53,688
	Household durable goods industries	6,399	6,695	6,568	6,487	-4.4	+1.9	-1.4	6,898	6,514	6,332	7,002	39,016	37,173

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]					
		Monthly				Percent change			Monthly				Year to date	
		June 1988[p]	May 1988[r]	Apr. 1988	June 1987[r]	May-June[p]	Apr.-May[r]	June-88/87	June 1988[p]	May 1988[r]	Apr. 1988	June 1987	1988[p]	1987
	All manufacturing industries	229,844	217,799	219,326	205,109	+5.5	-0.7	+12.1	240,205	216,369	219,343	214,098	1,322,351	1,201,314
	Manufacturing industries with unfilled orders	130,768	120,300	122,868	113,520	+8.7	-2.1	+15.2	136,166	117,346	121,231	117,925	740,410	658,559
	Durable goods industries	125,902	115,093	117,266	108,860	+9.4	-1.9	+15.7	132,421	114,354	117,918	114,356	714,956	639,983
	With unfilled orders	104,240	93,787	96,154	88,676	+11.1	-2.5	+17.6	108,790	91,379	94,974	92,324	583,250	512,801
32	Stone, clay, and glass products	5,290	5,281	5,139	4,925	+0.2	+2.8	+7.4	5,725	5,453	5,348	5,312	31,283	30,105
33	Primary metals	11,494	11,887	11,098	9,931	-3.3	+7.1	+15.7	11,455	11,296	11,264	9,796	68,583	55,583
331	Blast furnaces, steel mills	4,885	5,407	4,611	4,514	-9.7	+17.3	+8.2	4,598	4,867	4,712	4,145	29,237	24,248
332	Iron and steel foundries	939	913	850	747	+2.8	+7.4	+25.7	1,007	892	902	804	5,464	4,907
333-9	Nonferrous and other primary metals	5,670	5,567	5,637	4,670	+1.9	-1.2	+21.4	5,850	5,537	5,650	4,847	33,882	26,428
34	Fabricated metal products	12,246	12,063	11,989	11,537	+1.5	+0.6	+6.1	13,124	12,448	12,138	12,328	72,227	68,702
35	Machinery, except electrical	21,533	20,593	20,418	17,492	+4.6	+0.9	+23.1	24,028	20,534	20,699	19,547	124,711	105,088
351	Engines and turbines	1,700	1,350	1,277	1,168	+25.9	+5.7	+45.5	1,755	1,436	1,284	1,218	7,888	7,149
353	Construction, mining, and material handling equipment	2,590	2,488	2,591	2,143	+4.1	-4.0	+20.9	2,621	2,506	2,723	2,198	15,399	12,360
354	Metalworking machinery	1,206	968	1,006	704	+24.6	-3.8	+71.3	1,317	943	981	781	6,012	4,398
357	Office and computing machines	5,620	5,410	5,384	4,562	+3.9	+0.5	+23.2	7,048	5,081	4,955	5,746	31,936	26,874
36	Electrical machinery	19,955	20,196	19,628	19,691	-1.2	+2.9	+1.3	21,201	19,415	18,573	20,712	119,775	108,613
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,335	2,381	2,385	2,245	-1.9	-0.2	+4.0	2,483	2,338	2,299	2,382	14,282	13,306
363	Household appliances	1,549	1,553	1,510	1,567	-0.3	+2.8	-1.1	1,750	1,553	1,475	1,780	9,331	9,300
365	Radio and TV	965	1,234	877	1,084	-21.8	+40.7	-11.0	1,046	1,147	728	1,176	5,837	6,019
366	Communication equipment	6,348	6,256	6,310	7,074	+1.5	-0.9	-10.3	6,732	5,748	5,439	7,298	37,162	35,344
367	Electronic components	5,121	4,855	4,842	4,231	+5.5	+0.3	+21.0	5,349	4,923	5,177	4,402	31,141	24,847
364,9	Other electrical machinery	3,637	3,917	3,704	3,490	-7.1	+5.8	+4.2	3,841	3,706	3,455	3,674	22,022	19,797
37	Transportation equipment	38,210	28,106	31,402	28,563	+35.9	-10.5	+33.8	38,292	27,874	31,881	28,576	194,243	173,394
372,6	Aircraft, missiles, and parts	12,939	7,709	11,366	9,297	+67.8	-32.2	+39.2	11,725	6,446	10,395	8,195	63,680	51,917
3731,95	Shipbuilding and military tank vehicles	5,214	570	1,099	1,588	+814.7	-48.1	+228.3	5,319	472	1,197	1,644	10,430	6,891
38	Instruments and related products	5,925	5,794	5,838	5,544	+2.3	-0.8	+6.9	6,429	5,716	5,648	5,996	34,408	31,462
381-4	Scientific and engineering instruments	3,959	3,905	3,956	3,682	+1.4	-1.3	+7.5	4,260	3,845	3,858	3,947	23,465	20,969
24,25, 39	All other durable goods	11,249	11,173	11,754	11,177	+0.7	-4.9	+0.6	12,167	11,618	12,367	12,089	69,726	67,036
	Nondurable goods industries	103,942	102,706	102,060	96,249	+1.2	+0.6	+8.0	107,784	102,015	101,425	99,742	607,395	561,331
	With unfilled orders	26,528	26,513	26,714	24,844	+0.1	-0.8	+6.8	27,376	25,967	26,257	25,601	157,160	145,758
	Market categories:													
	Home goods and apparel	13,930	13,792	13,759	13,678	+1.0	+0.2	+1.8	14,543	13,064	13,094	14,296	82,137	80,076
	Consumer staples	43,073	42,949	42,477	40,117	+0.3	+1.1	+7.4	44,682	42,317	41,192	41,628	250,335	231,536
	Equipment and defense products, except automotive	44,270	34,611	36,488	34,095	+27.9	-5.1	+29.8	46,166	32,591	34,870	35,460	226,634	191,950
	Automotive equipment	21,131	20,951	19,946	18,719	+0.9	+5.0	+12.9	22,445	22,110	21,371	19,895	126,500	120,938
	Construction materials, supplies and intermediate products	16,819	16,657	17,102	15,793	+1.0	-2.6	+6.5	18,427	17,400	17,906	17,296	101,029	95,331
	Other materials, supplies, and intermediate products	90,621	88,839	89,554	82,707	+2.0	-0.8	+9.6	93,942	88,887	90,910	85,523	535,716	481,483
	Supplementary series:[2]													
	Capital goods industries	50,033	39,576	43,450	40,007	+26.4	-8.9	+25.1	52,049	37,131	41,224	41,472	260,056	222,172
	Nondefense	35,758	31,582	33,492	30,057	+13.2	-5.7	+19.0	39,037	30,816	32,771	32,845	201,238	170,142
	Defense	14,275	7,994	9,958	9,950	+78.6	-19.7	+43.5	13,012	6,315	8,453	8,627	58,818	52,030
	Household durable goods industries	6,396	6,658	6,576	6,424	-3.9	+1.2	-0.4	6,857	6,500	6,374	6,900	39,675	38,050

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		June 1988p	May 1988r	Apr. 1988	June 1987r	May-Junep	Apr.-Mayr	June-88/87	June 1988p	May 1988r	Apr. 1988	June 1987
	All manufacturing industries	428,056	418,852	418,534	385,420	+2.2	+0.1	+11.1	427,940	421,607	423,628	385,183
	Durable goods industries	414,681	405,392	405,034	372,376	+2.3	+0.1	+11.4	414,499	408,082	409,960	372,099
32	Stone, clay, and glass products	2,625	2,580	2,516	2,476	+1.7	+2.5	+6.0	2,666	2,634	2,590	2,514
33	Primary metals	23,596	23,585	22,750	19,621	0.0	+3.7	+20.3	23,357	24,113	24,241	19,350
331	Blast furnaces, steel mills	11,983	12,006	11,387	10,867	-0.2	+5.4	+10.3	11,659	12,347	12,453	10,540
332	Iron and steel foundries	3,188	3,170	3,146	2,713	+0.6	+0.8	+17.5	3,172	3,159	3,202	2,699
333-9	Nonferrous and other primary metals	8,425	8,409	8,217	6,041	+0.2	+2.3	+39.5	8,526	8,607	8,586	6,111
34	Fabricated metal products	19,332	19,463	19,497	18,879	-0.7	-0.2	+2.4	19,428	19,629	19,558	18,982
35	Machinery, except electrical	60,686	59,802	59,293	56,412	+1.5	+0.9	+7.6	60,751	60,095	59,518	56,581
351	Engines and turbines	14,643	14,301	14,255	14,646	+2.4	+0.3	0.0	14,462	14,158	14,099	14,472
353	Construction, mining, and material handling equipment	5,227	5,177	5,204	4,389	+1.0	-0.5	+19.1	5,086	5,193	5,272	4,284
354	Metalworking machinery	4,045	3,669	3,571	3,021	+10.2	+2.7	+33.9	4,017	3,622	3,529	3,003
357	Office and computing machines	18,661	18,724	18,756	19,152	-0.3	-0.2	-2.6	19,109	19,074	18,868	19,646
36	Electrical machinery	96,069	96,033	96,035	92,645	0.0	0.0	+3.7	96,640	96,825	96,984	93,093
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,651	5,666	5,664	5,357	-0.3	0.0	+5.5	5,627	5,686	5,691	5,336
363	Household appliances	205	197	227	200	+4.1	-13.2	+2.5	211	205	220	207
365	Radio and TV	260	282	213	271	-7.8	+32.4	-4.1	260	282	213	271
366	Communication equipment	68,719	68,943	69,002	68,900	-0.3	-0.1	-0.3	68,871	69,257	69,565	69,012
367	Electronic components	19,205	18,936	18,909	16,187	+1.4	+0.1	+18.6	19,628	19,388	19,296	16,530
364,9	Other electrical machinery	2,029	2,009	2,020	1,730	+1.0	-0.5	+17.3	2,043	2,007	1,999	1,737
37	Transportation equipment	196,856	188,337	189,317	167,696	+4.5	-0.5	+17.4	196,059	189,087	191,547	166,851
372,6	Aircraft, missiles, and parts	167,531	163,362	164,059	142,229	+2.6	-0.4	+17.8	166,392	163,823	165,693	141,195
3731,95	Shipbuilding and military tank vehicles	23,427	19,025	19,320	19,172	+23.1	-1.5	+22.2	23,844	19,337	19,730	19,452
38	Instruments and related products	9,301	9,206	9,124	8,732	+1.0	+0.9	+6.5	9,318	9,207	9,129	8,748
381-4	Scientific and engineering instruments	8,371	8,319	8,247	7,709	+0.6	+0.9	+8.6	8,371	8,319	8,247	7,709
24,25, 39	All other durable goods	6,216	6,386	6,502	5,915	-2.7	-1.8	+5.1	6,280	6,492	6,393	5,980
	Nondurable goods industries	13,375	13,460	13,500	13,044	-0.6	-0.3	+2.5	13,441	13,525	13,668	13,084
	Market categories:											
	Home goods and apparel	4,923	4,914	5,005	4,616	+0.2	-1.8	+6.7	4,920	4,993	5,028	4,613
	Consumer staples	725	738	763	697	-1.8	-3.3	+4.0	653	718	816	629
	Equipment and defense products, except automotive	268,296	259,921	260,611	244,256	+3.2	-0.3	+9.8	268,078	261,511	263,495	244,062
	Automotive equipment	5,330	5,425	5,414	5,934	-1.8	+0.2	-10.2	5,255	5,402	5,600	5,843
	Construction materials, supplies and intermediate products	10,485	10,501	10,564	9,987	-0.2	-0.6	+5.0	10,652	10,702	10,701	10,149
	Other materials, supplies, and intermediate products	138,297	137,353	136,177	119,930	+0.7	+0.9	+15.3	138,382	138,281	137,988	119,887
	Supplementary series:[2]											
	Capital goods industries	330,685	321,563	322,180	296,815	+2.8	-0.2	+11.4	330,167	322,912	324,996	296,324
	Nondefense	160,283	156,422	156,677	135,537	+2.5	-0.2	+18.3	160,335	156,684	156,886	135,688
	Defense	170,402	165,141	165,503	161,278	+3.2	-0.2	+5.7	169,832	166,228	168,110	160,636
	Household durable goods industries	4,038	4,041	4,078	3,878	-0.1	-0.9	+4.1	3,992	4,033	4,047	3,837

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		June 1988[p]	May 1988[r]	Apr. 1988	June 1987[r]	May-June[p]	Apr.-May[r]	June-88/87	June 1988[p]	May 1988[r]	Apr. 1988	June 1987
	All manufacturing industries	344,764	343,274	340,893	321,817	+0.4	+0.7	+7.1	345,523	346,404	343,231	322,472
	Manufacturing industries with unfilled orders	234,933	234,060	232,211	218,105	+0.4	+0.8	+7.7	236,753	236,998	233,922	219,855
	Durable goods industries	224,328	223,502	221,692	208,835	+0.4	+0.8	+7.4	225,399	226,014	223,423	209,890
	With unfilled orders	206,164	205,363	203,707	191,596	+0.4	+0.8	+7.6	207,550	207,787	204,983	192,937
32	Stone, clay, and glass products	7,042	7,121	7,048	6,988	-1.1	+1.0	+0.8	7,169	7,342	7,210	7,114
33	Primary metals	18,204	18,286	18,236	16,299	-0.4	+0.3	+11.7	18,298	18,473	18,323	16,410
331	Blast furnaces, steel mills	8,445	8,529	8,557	7,296	-1.0	-0.3	+15.7	8,521	8,590	8,420	7,360
332	Iron and steel foundries	1,215	1,211	1,230	1,193	+0.3	-1.5	+1.8	1,233	1,255	1,301	1,211
333-9	Nonferrous and other primary metals	8,544	8,546	8,449	7,810	0.0	+1.1	+9.4	8,544	8,628	8,602	7,839
34	Fabricated metal products	22,148	22,459	22,477	21,304	-1.4	-0.1	+4.0	22,482	22,771	22,804	21,652
35	Machinery, except electrical	43,620	43,260	42,742	40,930	+0.8	+1.2	+6.6	43,635	43,786	43,149	40,958
351	Engines and turbines	3,067	2,995	2,963	2,822	+2.4	+1.1	+8.7	3,099	3,044	2,970	2,852
353	Construction, mining, and material handling equipment	7,056	6,985	6,918	6,526	+1.0	+1.0	+8.1	6,985	7,037	6,963	6,473
354	Metalworking machinery	3,050	3,000	2,884	2,934	+1.7	+4.0	+4.0	3,053	3,059	2,915	2,941
357	Office and computing machines	10,493	10,278	10,173	9,665	+2.1	+1.0	+8.6	10,503	10,521	10,323	9,678
36	Electrical machinery	40,325	40,206	40,159	39,187	+0.3	+0.1	+2.9	40,918	40,852	40,535	39,763
361,2	Electrical transmission and distribution equipment and industrial apparatus	4,954	4,960	4,945	4,868	-0.1	+0.3	+1.8	4,993	5,049	5,004	4,912
363	Household appliances	2,781	2,820	2,811	2,692	-1.4	+0.3	+3.3	2,920	3,047	3,001	2,824
365	Radio and TV	1,585	1,594	1,628	1,662	-0.6	-2.1	-4.6	1,683	1,674	1,659	1,763
366	Communication equipment	16,443	16,392	16,367	16,422	+0.3	+0.2	+0.1	16,474	16,451	16,399	16,453
367	Electronic components	8,717	8,616	8,618	7,832	+1.2	0.0	+11.3	8,839	8,672	8,615	7,939
364,9	Other electrical machinery	5,845	5,824	5,790	5,711	+0.4	+0.6	+2.3	6,009	5,959	5,857	5,872
37	Transportation equipment	61,624	60,836	60,049	54,259	+1.3	+1.3	+13.6	61,360	61,103	60,093	53,965
371	Motor vehicles and parts	11,636	11,516	11,504	11,164	+1.0	+0.1	+4.2	11,164	11,376	11,582	10,708
372,6	Aircraft, missiles, and parts	45,924	45,216	44,518	39,255	+1.6	+1.6	+17.0	46,154	45,598	44,516	39,442
3731,95	Shipbuilding and military tank vehicles	2,219	2,260	2,209	2,076	-1.8	+2.3	+6.9	2,225	2,278	2,222	2,082
38	Instruments and related products	13,129	13,156	12,940	12,489	-0.2	+1.7	+5.1	13,295	13,406	13,018	12,658
381-4	Scientific and engineering instruments	9,433	9,502	9,289	8,955	-0.7	+2.3	+5.3	9,499	9,631	9,288	9,022
386	Photographic goods	3,128	3,080	3,071	2,886	+1.6	+0.3	+8.4	3,200	3,181	3,140	2,957
24,25, 39	All other durable goods	18,236	18,178	18,041	17,379	+0.3	+0.8	+4.9	18,242	18,281	18,291	17,370
	Nondurable goods industries	120,436	119,772	119,201	112,982	+0.6	+0.5	+6.6	120,124	120,390	119,808	112,582
	With unfilled orders	28,769	28,697	28,504	26,509	+0.3	+0.7	+8.5	29,203	29,211	28,939	26,918
20	Food and kindred products	25,404	24,929	24,830	24,466	+1.9	+0.4	+3.8	24,305	24,082	24,271	23,367
202	Dairy products	2,204	2,227	2,192	2,229	-1.0	+1.6	-1.1	2,233	2,284	2,235	2,258
208	Beverages	4,288	4,304	4,252	4,525	-0.4	+1.2	-5.2	4,314	4,371	4,376	4,552
203-6,9	All other foods	14,541	14,294	14,388	14,388	+1.7	-0.7	+1.1	13,436	13,369	13,588	13,283
21	Tobacco products	5,694	5,612	5,666	5,913	+1.5	-1.0	-3.7	5,330	5,526	5,802	5,533
22	Textile mill products	6,967	7,024	7,003	6,760	-0.8	+0.3	+3.1	7,111	7,226	7,175	6,896
221-4,6, 8,9	Broadwoven fabrics	3,903	3,922	3,865	3,756	-0.5	+1.5	+3.9	3,930	4,004	3,977	3,784
26	Paper and allied products	11,571	11,542	11,534	10,899	+0.3	+0.1	+6.2	11,730	11,769	11,777	11,052
261-3,6	Pulp, paper etc.	4,393	4,347	4,355	4,165	+1.1	-0.2	+5.5	4,441	4,412	4,435	4,210
265	Paperboard containers	3,123	3,151	3,113	2,761	-0.9	+1.2	+13.1	3,114	3,197	3,178	2,758
264	All other paper products	4,055	4,044	4,066	3,973	+0.3	-0.5	+2.1	4,175	4,160	4,164	4,084
28	Chemicals and allied products	28,762	28,609	28,539	26,496	+0.5	+0.2	+8.6	28,772	28,754	28,723	26,499
281,6	Industrial chemicals, except pigments	8,505	8,380	8,473	7,732	+1.5	-1.1	+10.0	8,505	8,380	8,473	7,732
283,4	Drugs, soaps, and toiletries	9,456	9,456	9,427	8,845	0.0	+0.3	+6.9	9,626	9,677	9,518	9,004
282,9	Other chemical products	7,031	6,965	6,867	6,303	+0.9	+1.4	+11.6	7,045	7,032	6,992	6,331
29	Petroleum and coal products	10,697	10,857	10,748	10,420	-1.5	+1.0	+2.7	10,577	10,851	10,530	10,307
30	Rubber and plastics products	9,631	9,522	9,464	8,684	+1.1	+0.6	+10.9	9,755	9,776	9,749	8,811
23,27, 31	All other nondurable goods	21,710	21,677	21,417	19,344	+0.2	+1.2	+12.2	22,544	22,406	21,781	20,117
	Market categories:											
	Home goods and apparel	26,951	27,130	26,942	25,667	-0.7	+0.7	+5.0	28,115	28,254	27,529	26,749
	Consumer staples	43,470	43,172	43,274	42,457	+0.7	-0.2	+2.4	42,252	42,574	42,997	41,208
	Equipment and defense products, except automotive	100,062	98,980	97,866	92,309	+1.1	+1.1	+8.4	100,143	99,839	98,285	92,409
	Automotive equipment	14,136	13,999	13,950	13,537	+1.0	+0.4	+4.4	13,666	13,927	14,062	13,079
	Construction materials, supplies and intermediate products	24,758	24,865	24,708	23,177	-0.4	+0.6	+6.8	25,018	25,259	25,265	23,435
	Other materials, supplies, and intermediate products	135,387	135,128	134,153	124,670	+0.2	+0.7	+8.6	136,329	136,551	135,093	125,592
	Supplementary series:[2]											
	Capital goods industries	116,368	115,294	114,012	106,820	+0.9	+1.1	+8.9	116,998	116,542	114,571	107,411
	Nondefense	77,441	76,986	76,414	71,874	+0.6	+0.7	+7.7	77,678	77,793	76,880	72,121
	Defense	38,927	38,308	37,598	34,946	+1.6	+1.9	+11.4	39,320	38,749	37,691	35,290
	Household durable goods industries	13,141	13,227	13,184	13,157	-0.7	+0.3	-0.1	13,531	13,660	13,430	13,528

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted[1]			
		End of month				Percent change			End of month			
		June 1988p	May 1988r	Apr. 1988	June 1987r	May-June p	Apr.-May r	June-88/87	June 1988p	May 1988r	Apr. 1988	June 1987
	MATERIALS AND SUPPLIES											
	All manufacturing industries	110,466	109,713	108,969	103,916	+0.7	+0.7	+6.3	110,197	109,523	109,146	103,594
	Durable goods industries	62,791	62,387	61,903	59,705	+0.6	+0.8	+5.2	62,689	62,156	61,719	59,608
32	Stone, clay, and glass products	2,295	2,327	2,275	2,213	-1.4	+2.3	+3.7	2,297	2,332	2,275	2,211
33	Primary metals	5,830	5,817	5,784	5,134	+0.2	+0.6	+13.6	5,743	5,632	5,565	5,062
34	Fabricated metal products	7,774	7,829	7,837	7,287	-0.7	-0.1	+6.7	7,834	7,803	7,850	7,351
35	Machinery, except electrical	12,555	12,539	12,458	11,826	+0.1	+0.7	+6.2	12,486	12,525	12,472	11,734
36	Electrical machinery	10,678	10,647	10,615	10,460	+0.3	+0.3	+2.1	10,778	10,775	10,711	10,577
37	Transportation equipment	12,120	11,806	11,785	11,982	+2.7	+0.2	+1.2	12,135	11,850	11,826	11,997
38	Instruments and related products	4,531	4,436	4,375	4,163	+2.1	+1.4	+8.8	4,546	4,446	4,383	4,190
24,25, 39	All other durable goods	7,008	6,986	6,774	6,640	+0.3	+3.1	+5.5	6,870	6,793	6,637	6,486
	Nondurable goods industries	47,675	47,326	47,066	44,211	+0.7	+0.6	+7.8	47,508	47,367	47,427	43,986
20	Food and kindred products	9,825	9,636	9,484	9,108	+2.0	+1.6	+7.9	9,664	9,545	9,555	8,939
21	Tobacco products	4,403	4,374	4,444	4,959	+0.7	-1.6	-11.2	4,160	4,321	4,470	4,674
22	Textile mill products	1,992	2,013	2,023	1,830	-1.0	-0.5	+8.9	2,035	2,098	2,105	1,869
26	Paper and allied products	6,384	6,331	6,263	5,684	+0.8	+1.1	+12.3	6,426	6,362	6,344	5,722
28	Chemicals and allied products	9,718	9,604	9,673	8,888	+1.2	-0.7	+9.3	9,754	9,600	9,673	8,907
29	Petroleum and coal products	3,141	3,231	3,181	3,103	-2.8	+1.6	+1.2	3,119	3,228	3,162	3,095
30	Rubber and plastics products	3,889	3,806	3,774	3,351	+2.2	+0.8	+16.1	3,911	3,845	3,809	3,381
23,27, 31	All other nondurable goods	8,323	8,331	8,224	7,288	-0.1	+1.3	+14.2	8,439	8,368	8,309	7,399
	WORK IN PROCESS											
	All manufacturing industries	124,354	124,233	122,808	114,417	+0.1	+1.2	+8.7	124,376	125,158	123,270	114,367
	Durable goods industries	105,260	105,069	103,760	96,244	+0.2	+1.3	+9.4	105,243	105,812	104,112	96,180
32	Stone, clay, and glass products	1,118	1,145	1,112	1,007	-2.4	+3.0	+11.0	1,123	1,159	1,130	1,013
33	Primary metals	7,293	7,327	7,335	6,462	-0.5	-0.1	+12.9	7,322	7,461	7,440	6,499
34	Fabricated metal products	7,755	7,997	7,976	7,478	-3.0	+0.3	+3.7	7,846	8,145	8,100	7,560
35	Machinery, except electrical	17,353	17,206	16,781	16,948	+0.9	+2.5	+2.4	17,308	17,289	16,902	16,925
36	Electrical machinery	20,395	20,415	20,441	20,154	-0.1	-0.1	+1.2	20,525	20,456	20,401	20,257
37	Transportation equipment	42,707	42,219	41,473	35,955	+1.2	+1.8	+18.8	42,419	42,417	41,452	35,638
38	Instruments and related products	4,948	5,063	4,932	4,744	-2.3	+2.7	+4.3	5,039	5,196	4,966	4,829
24,25, 39	All other durable goods	3,691	3,697	3,710	3,496	-0.2	-0.4	+5.6	3,661	3,689	3,721	3,459
	Nondurable goods industries	19,094	19,164	19,048	18,173	-0.4	+0.6	+5.1	19,133	19,346	19,158	18,187
20	Food and kindred products	2,460	2,408	2,446	2,512	+2.2	-1.6	-2.1	2,403	2,352	2,428	2,450
21	Tobacco products	253	269	244	111	-5.9	+10.2	+127.9	252	268	242	109
22	Textile mill products	2,201	2,188	2,158	2,086	+0.6	+1.4	+5.5	2,200	2,211	2,177	2,079
26	Paper and allied products	1,266	1,274	1,298	1,253	-0.6	-1.8	+1.0	1,279	1,281	1,294	1,265
28	Chemicals and allied products	4,278	4,344	4,299	4,067	-1.5	+1.0	+5.2	4,345	4,425	4,278	4,132
29	Petroleum and coal products	2,400	2,432	2,380	2,271	-1.3	+2.2	+5.7	2,383	2,430	2,366	2,266
30	Rubber and plastics products	1,527	1,541	1,500	1,354	-0.9	+2.7	+12.8	1,513	1,535	1,494	1,330
23,27, 31	All other nondurable goods	4,709	4,708	4,723	4,519	0.0	-0.3	+4.2	4,758	4,844	4,879	4,556
	FINISHED GOODS											
	All manufacturing industries	109,944	109,328	109,116	103,484	+0.6	+0.2	+6.2	110,950	111,723	110,815	104,511
	Durable goods industries	56,277	56,046	56,029	52,886	+0.4	0.0	+6.4	57,467	58,046	57,592	54,102
32	Stone, clay, and glass products	3,629	3,649	3,661	3,768	-0.5	-0.3	-3.7	3,749	3,851	3,805	3,890
33	Primary metals	5,081	5,142	5,117	4,703	-1.2	+0.5	+8.0	5,233	5,380	5,318	4,849
34	Fabricated metal products	6,619	6,633	6,664	6,539	-0.2	-0.5	+1.2	6,802	6,823	6,854	6,741
35	Machinery, except electrical	13,712	13,515	13,503	12,156	+1.5	+0.1	+12.8	13,841	13,972	13,775	12,299
36	Electrical machinery	9,252	9,144	9,103	8,573	+1.2	+0.5	+7.9	9,615	9,621	9,423	8,929
37	Transportation equipment	6,797	6,811	6,791	6,322	-0.2	+0.3	+7.5	6,806	6,836	6,815	6,330
38	Instruments and related products	3,650	3,657	3,633	3,582	-0.2	+0.7	+1.9	3,710	3,764	3,669	3,639
24,25, 39	All other durable goods	7,537	7,495	7,557	7,243	+0.6	-0.8	+4.1	7,711	7,799	7,933	7,425
	Nondurable goods industries	53,667	53,282	53,087	50,598	+0.7	+0.4	+6.1	53,483	53,677	53,223	50,409
20	Food and kindred products	13,119	12,885	12,900	12,846	+1.8	-0.1	+2.1	12,238	12,185	12,288	11,978
21	Tobacco products	1,038	969	978	843	+7.1	-0.9	+23.1	918	937	1,090	750
22	Textile mill products	2,774	2,823	2,822	2,844	-1.7	0.0	-2.5	2,876	2,917	2,893	2,948
26	Paper and allied products	3,921	3,937	3,973	3,962	-0.4	-0.9	-1.0	4,025	4,126	4,139	4,065
28	Chemicals and allied products	14,766	14,661	14,567	13,541	+0.7	+0.6	+9.0	14,673	14,729	14,772	13,460
29	Petroleum and coal products	5,156	5,194	5,187	5,046	-0.7	+0.1	+2.2	5,075	5,193	5,002	4,946
30	Rubber and plastics products	4,215	4,175	4,190	3,979	+1.0	-0.4	+5.9	4,331	4,396	4,446	4,100
23,27, 31	All other nondurable goods	8,678	8,638	8,470	7,537	+0.5	+2.0	+15.1	9,347	9,194	8,593	8,162

p Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		June 1988P	May 1988r	Apr. 1988	June 1987r	June 1988P	May 1988r	Apr. 1988	June 1987r
	All manufacturing industries	1.56	1.58	1.59	1.60	3.52	3.49	3.54	3.52
	Durable goods industries	1.92	1.95	1.97	1.99	4.37	4.34	4.43	4.40
32	Stone, clay, and glass products	1.34	1.36	1.38	1.41	0.55	0.54	0.54	0.55
33	Primary metals	1.59	1.65	1.70	1.80	2.05	2.13	2.12	2.17
34	Fabricated metal products	1.79	1.86	1.89	1.91	1.73	1.77	1.83	1.87
35	Machinery, except electrical	2.11	2.15	2.17	2.36	3.10	3.16	3.20	3.47
36	Electrical machinery	2.02	1.99	2.04	2.10	4.82	4.75	4.87	4.95
37	Transportation equipment	2.08	2.09	2.15	1.99	11.90	11.64	12.03	10.77
38	Instruments and related products	2.25	2.30	2.20	2.36	1.60	1.61	1.55	1.65
	Nondurable goods industries	1.16	1.17	1.17	1.18	0.50	0.51	0.50	0.53
20	Food and kindred products	0.83	0.83	0.83	0.88	(X)	(X)	(X)	(X)
21	Tobacco products	2.78	2.68	4.20	2.87	(X)	(X)	(X)	(X)
22	Textile mill products	1.43	1.45	1.43	1.41	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.03	1.04	1.05	1.11	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.44	1.44	1.42	1.49	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.95	0.99	0.99	0.94	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.31	1.29	1.30	1.32	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1987	All Junes 1983-1987	June 1987-May 1988	Year ago June 1987	All Junes 1983-1987	June 1987-May 1988	Year ago June 1987	All Junes 1983-1987	June 1987-May 1988	Year ago June 1987	All Junes 1983-1987	June 1987-May 1988
	All manufacturing industries	0.1	0.3	0.2	0.3	0.4	0.3	0.2	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.1	0.4	0.2	0.3	0.5	0.5	0.2	0.1	0.1	0.1	0.2	0.1
32	Stone, clay, and glass products	0.1	0.5	0.7	0.2	1.0	0.6	0.7	1.9	0.6	0.5	0.3	0.2
33	Primary metals	1.3	0.7	0.7	0.6	1.9	1.3	0.9	0.9	0.5	0.1	0.1	0.3
34	Fabricated metal products	0.2	0.2	0.5	0.1	0.5	0.6	0.2	0.3	0.3	0.0	0.3	0.1
35	Machinery, except electrical	0.4	1.1	0.7	2.2	1.7	1.0	0.2	0.2	0.2	0.3	0.2	0.2
36	Electrical machinery	0.0	0.5	0.5	0.2	0.8	0.9	0.0	0.1	0.1	0.3	0.2	0.2
37	Transportation equipment	0.0	0.6	0.0	0.5	0.7	0.4	0.1	0.1	0.1	0.0	0.2	0.1
38	Instruments and related products	0.8	0.7	0.9	2.5	1.8	0.9	1.0	1.1	0.4	0.0	0.2	0.1
	Nondurable goods industries	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.5	0.2	0.1	0.1
20	Food and kindred products	0.2	0.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.3	0.3
21	Tobacco products	0.0	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.0
22	Textile mill products	0.4	1.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.3	0.4
26	Paper and allied products	1.5	0.8	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.3	0.2
28	Chemicals and allied product	0.4	1.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
29	Petroleum and coal products	0.7	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.5
30	Rubber and plastics products	0.2	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.2
	Capital goods industries:												
	Nondefense	0.2	0.8	0.5	0.1	1.4	0.8	0.1	0.1	0.1	0.2	0.1	0.1
	Defense	0.2	0.5	0.3	1.3	2.8	1.1	0.0	0.2	0.0	0.1	0.6	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U.S. DEPARTMENT OF COMMER
COM-2

First Class M

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders January 1982 - April 1988, will be issued August 22, 1988. Revisions will reflect:

- Corrections to monthly data to include data received too late to include in the monthly publications, reclassifications of reports based on improved industry information, and corrections received from companies to their historical data.

- Inclusion of benchmark data for:

  - shipments and inventories from the 1986 Annual Survey of Manufacturers.
  - unfilled orders from the 1986 MA-300 Unfilled Orders Supplement.
  - shipments from the 1986 MA-175, Report on Shipments to Federal Government agencies.
  - recalculation of new orders estimates using the revised shipments and unfilled orders data.
  - recalculation of the seasonally adjusted data using information through the May Manufactures' Shipments, Inventories, and Orders (M3) report.

Concurrent seasonal adjustment of the current and prior month data will continue. However, the practice of revising one year ago seasonally adjusted data will be discontinued. Also, additional series may be seasonally adjusted at that time.

Any questions regarding this announcement can be answered by calling Ruth Runyan on (301) 763-2502.

3.158:
M3-1-(88)-7
SEP 21 1988
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

July 1988

U.S. Department of Commerce
BUREAU OF THE CENSUS

M3-1-(88)-7
For Wire Transmission 10:00 a.m. E.D.T. Tuesday, August 30, 1988

(All Figures in text are in seasonally adjusted current dollars)

The data presented in this report are consistent with the revised data for 1982-April 1988 released August 22 by the Bureau of the Census. These revisions reflect benchmarking of shipments, inventories, and unfilled orders for 1986, recalculation of new orders and recalculation of seasonal adjustment factors. Modifications to our seasonal adjustment procedure have been implemented and additional series are being adjusted. For those series not being adjusted, the unadjusted data are included in both the adjusted and unadjusted totals.

Summary

New orders for manufactured goods in July decreased $7.9 billion or 3.5 percent from June to $220.2 billion, following a 5.4 percent increase in June. Defense capital goods accounted for most of the July decline. Excluding defense, orders were down 0.7 percent.

Shipments of manufactured goods were down $2.0 billion in July to $216.9 billion. A decline in durables of $3.3 billion was partially offset by an increase in nondurables of $1.3 billion.

Unfilled orders in July increased $3.3 billion or 0.7 percent to $446.7 billion, continuing a strong upward trend which began in March 1987. Inventories in July increased $1.6 billion or 0.5 percent to $343.5 billion, continuing an upward trend which began in April 1987. The inventory to shipments ratio in July was 1.58, up from 1.56 in June. The unfilled orders to shipments ratio in July was 3.74, up from 3.67 in June.

New Orders

New orders for durable goods in July were down $8.9 billion or 7.1 percent to $116.5 billion, offsetting most of the 8.7 percent increase in June. Defense capital goods accounted for a large part of the July decrease and June increase. Excluding defense, the July decrease was 2.2 percent and the June increase was 4.2 percent.

By major industry category, transportation was down $8.3 billion or 22.0 percent; all categories were down, although the level of commercial aircraft orders remained strong. A decrease of $0.9 billion or 4.2 percent in nonelectrical machinery was nearly offset by an $0.8 billion or 4.1 percent increase in electrical machinery.

Orders for nondurable goods in July were up $1.0 billion or 1.0 percent to $103.6 billion.

Shipments

About two-thirds of the $3.3 billion decline in durables shipments was in the transportation equipment industry, which declined $2.1 billion or 7.2 percent to $27.2 billion. Motor vehicles and parts were down $2.0 billion or 10.7 percent to $16.4 billion. Primary metals were down $0.6 billion or 4.6 percent to $11.6 billion, following a $0.6 billion or 5.4 percent increase in June.

In nondurables, over half of the $1.3 billion increase was in chemicals, up $0.8 billion or 3.8 percent to $20.7 billion. Food products were up $0.4 billion or 1.2 percent to $30.4 billion.

Unfilled Orders

About two-thirds of the $3.4 billion increase in the orders backlog in July was in transportation equipment, up $2.3 billion or 1.2 percent, all of which was in aircraft and parts. Most of the other durables industries also increased. Primary metals were up $0.5 billion or 2.1 percent, nonelectrical machinery $0.3 billion or 0.6 percent and electrical machinery $0.2 billion or 0.2 percent.

Inventories

Most of the $1.6 billion increase in inventories in July was in durable goods up $1.5 billion or 0.7 percent to $225.5 billion. Increases were widespread. In nondurables, inventories at $118.0 billion were relatively unchanged from June.

By stage of fabrication, materials and supplies inventories increased 0.4 percent, work in process 0.6 percent and finished goods 0.4 percent. All of the increases were concentrated in the durable goods sector.

SCHEDULED RELEASE DATES. The advance report on durable goods for August 1988 is scheduled for September 23, 1988 at 8:30 a.m. and the full report on October 3, 1988 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change July 88/87[P]	Year to date	
		July 1988[P]	June 1988[r]	May 1988[r]	June-July[P]	May-June[r]	Apr.-May[r]	July 1988[P]	June 1988[r]	May 1988[r]	July 1987[r]		1988[P]	1987[r]
	All manufacturing industries	216,853	218,881	215,777	-0.9	+1.4	+1.3	199,773	232,773	216,450	183,705	+8.7	1,481,865	1,361,003
	Manufacturing industries with unfilled orders	119,570	120,912	119,407	-1.1	+1.3	+1.4	108,646	129,358	118,682	99,789	+8.9	816,373	743,020
	Durable goods industries	113,173	116,522	114,751	-2.9	+1.5	+2.0	101,376	126,159	116,049	93,309	+8.6	786,919	720,489
	With unfilled orders	93,555	95,203	93,629	-1.7	+1.7	+1.8	84,359	102,899	93,415	77,062	+9.5	640,494	580,919
32	Stone, clay, and glass products	5,170	5,305	5,311	-2.5	-0.1	+2.4	5,022	5,767	5,505	4,984	+.8	36,495	35,410
33	Primary metals	11,642	12,201	11,576	-4.6	+5.4	+2.9	10,738	12,922	11,970	9,129	+17.6	80,944	64,697
331	Blast furnaces, steel mills	5,016	5,160	5,061	-2.8	+2.0	+0.8	4,615	5,577	5,256	4,010	+15.1	35,785	27,884
332	Iron and steel foundries	793	865	901	-8.3	-4.0	+7.6	698	930	947	697	+.1	5,875	5,562
333-9	Nonferrous and other primary metals	5,833	6,176	5,614	-5.6	+10.0	+4.1	5,425	6,415	5,767	4,422	+22.7	39,284	31,251
34	Fabricated metal products	11,550	12,398	12,082	-6.8	+2.6	+2.5	10,837	13,338	12,338	10,422	+4.0	82,826	79,487
35	Machinery, except electrical	20,774	21,003	20,346	-1.1	+3.2	+1.2	18,591	23,727	20,147	16,554	+12.3	139,863	122,310
351	Engines and turbines	1,300	1,276	1,294	+1.9	-1.4	+4.5	1,139	1,376	1,316	1,069	+6.5	8,881	7,941
353	Construction, mining, and material handling equipment	2,606	2,501	2,481	+4.2	+0.8	+0.6	2,736	2,668	2,549	2,282	+19.9	17,702	14,418
354	Metalworking machinery	990	917	961	+8.0	-4.6	+8.6	822	1,005	933	640	+28.4	6,237	5,289
357	Office and computing machines	5,770	5,895	5,654	-2.1	+4.3	-1.5	4,558	7,301	5,066	4,104	+11.1	36,790	32,869
36	Electrical machinery	19,017	18,742	18,888	+1.5	-0.8	+2.4	16,949	20,102	18,309	15,719	+7.8	127,450	117,490
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,292	2,252	2,271	+1.8	-0.8	+0.5	2,013	2,434	2,239	1,933	+4.1	15,528	14,739
363	Household appliances	1,468	1,478	1,523	-0.7	-3.0	+2.1	1,453	1,679	1,509	1,476	-1.6	10,423	10,530
365	Radio and TV	884	850	1,000	+4.0	-15.0	+20.2	778	924	928	701	+11.0	5,895	6,145
366	Communication equipment	6,295	6,297	6,040	0.0	+4.3	-0.7	5,403	6,825	5,793	5,148	+5.0	41,669	39,300
367	Electronic components	4,825	4,615	4,509	+4.6	+2.4	+1.2	4,439	4,818	4,514	3,730	+19.0	31,416	26,271
364,9	Other electrical machinery	3,253	3,250	3,545	+0.1	-8.3	+6.6	2,863	3,422	3,326	2,731	+4.8	22,519	20,505
37	Transportation equipment	27,159	29,264	29,160	-7.2	+0.4	+4.1	22,465	31,388	30,383	20,740	+8.3	198,263	188,693
371	Motor vehicles and parts	16,409	18,368	18,363	-10.7	0.0	+5.9	12,605	19,733	19,646	11,171	+12.8	124,068	117,407
372,6	Aircraft, missiles, and parts	8,761	8,774	8,695	-0.1	+0.9	+0.8	7,932	9,447	8,580	7,870	+.8	59,785	58,426
3731,95	Shipbuilding and military tank vehicles	831	824	874	+0.8	-5.7	+2.7	797	849	887	759	+5.0	5,813	5,692
38	Instruments and related products	6,330	6,075	5,951	+4.2	+2.1	-3.2	5,901	6,590	5,894	5,248	+12.4	41,443	37,885
381-4	Scientific and engineering instruments	4,329	4,059	3,987	+6.7	+1.8	-4.2	3,983	4,375	3,943	3,502	+13.7	28,127	25,383
386	Photographic goods	1,835	1,848	1,808	-0.7	+2.2	+0.7	1,762	2,040	1,787	1,564	+12.7	12,060	11,154
24,25, 39	All other durable goods	11,531	11,534	11,437	0.0	+0.8	-1.3	10,873	12,325	11,503	10,513	+3.4	79,635	74,517
	Nondurable goods industries	103,680	102,359	101,026	+1.3	+1.3	+0.5	98,397	106,614	100,401	90,396	+8.9	694,946	640,514
	With unfilled orders	26,015	25,709	25,778	+1.2	-0.3	-0.3	24,287	26,459	25,267	22,727	+6.9	175,879	162,101
20	Food and kindred products	30,431	30,061	29,143	+1.2	+3.1	+0.4	29,488	31,036	29,130	26,566	+11.0	201,805	185,386
202	Dairy products	4,135	4,094	3,953	+1.0	+3.6	+0.5	4,176	4,297	4,081	3,942	+5.9	28,169	27,280
208	Beverages	4,021	3,997	3,915	+0.6	+2.1	-2.6	4,303	4,516	4,173	4,001	+7.5	27,916	26,551
203-6,9	All other foods	14,067	13,849	13,456	+1.6	+2.9	+0.3	12,801	13,935	13,028	10,847	+18.0	91,589	79,652
21	Tobacco products	1,641	1,647	2,096	-0.4	-21.4	+17.9	1,280	2,192	2,244	1,225	+4.5	11,717	10,541
22	Textile mill products	5,027	4,999	4,910	+0.6	+1.8	-1.2	4,339	5,419	4,888	4,236	+2.4	33,490	32,561
221-4,6, 8,9	Broadwoven fabrics	3,052	3,040	3,117	+0.4	-2.5	-1.9	2,503	3,294	3,129	2,523	-.8	20,674	20,138
26	Paper and allied products	10,491	10,356	10,280	+1.3	+0.7	+2.1	10,114	10,859	10,201	9,036	+11.9	71,176	62,748
261-3,6	Pulp, paper etc.	4,699	4,547	4,525	+3.3	+0.5	+0.6	4,556	4,662	4,480	3,890	+17.1	31,665	26,636
265	Paperboard containers	2,600	2,595	2,542	+0.2	+2.1	+4.9	2,496	2,763	2,572	2,211	+12.9	17,358	15,231
264	All other paper products	3,192	3,214	3,213	-0.7	0.0	+2.0	3,062	3,434	3,149	2,935	+4.3	22,153	20,881
28	Chemicals and allied products	20,657	19,893	19,614	+3.8	+1.4	-0.2	18,896	20,887	19,838	16,474	+14.7	138,461	122,556
281,6	Industrial chemicals, except pigments	5,919	5,524	5,560	+7.2	-0.6	+2.3	5,623	5,816	5,642	4,828	+16.5	38,593	34,511
283,4	Drugs, soaps, and toiletries	5,922	5,896	5,949	+0.4	-0.9	-3.5	5,271	6,350	5,455	5,045	+4.5	40,944	37,858
282,9	Other chemical products	5,580	5,504	5,300	+1.4	+3.8	+1.5	5,245	5,652	5,349	4,613	+13.7	37,400	33,172
29	Petroleum and coal products	10,923	10,712	10,631	+2.0	+0.8	+0.5	11,034	10,867	10,556	11,194	-1.4	72,031	70,476
30	Rubber and plastics products	7,345	7,476	7,511	-1.8	-0.5	+1.2	6,869	8,066	7,662	5,940	+15.6	51,580	46,456
23,27, 31	All other nondurable goods	17,165	17,215	16,841	-0.3	+2.2	-1.0	16,377	17,288	15,882	15,725	+4.1	114,686	109,790
	Market categories:													
	Home goods and apparel	14,154	14,297	13,958	-1.0	+2.4	+0.5	13,141	15,043	13,173	12,749	+3.1	95,331	92,723
	Consumer staples	41,753	41,538	41,474	+0.5	+0.2	+0.5	39,624	43,638	41,085	36,676	+8.0	281,767	261,259
	Equipment and defense products, except automotive	36,499	36,286	35,651	+0.6	+1.8	+0.7	32,674	40,127	34,981	29,837	+9.5	244,021	219,131
	Automotive equipment	18,789	20,793	20,755	-9.6	+0.2	+5.8	14,940	22,387	22,119	13,316	+12.2	140,639	132,703
	Construction materials, supplies and intermediate products	16,750	17,125	16,958	-2.2	+1.0	-0.1	16,584	18,679	17,493	16,021	+3.5	117,834	110,044
	Other materials, supplies, and intermediate products	88,908	88,842	86,981	+0.1	+2.1	+1.3	82,810	92,899	87,599	75,106	+10.3	602,273	545,143
	Supplementary series:[2]													
	Capital goods industries	40,489	40,543	40,045	-0.1	+1.2	+1.3	36,287	44,684	38,994	33,604	+8.0	272,404	248,948
	Nondefense	31,975	31,822	31,668	+0.5	+0.5	+2.2	28,546	35,354	30,864	25,305	+12.8	213,094	187,092
	Excluding aircraft and parts	27,820	27,751	27,607	+0.2	+0.5	+1.7	24,855	31,012	26,755	22,170	+12.1	185,897	164,328
	Defense	8,514	8,721	8,377	-2.4	+4.1	-1.9	7,741	9,330	8,130	8,299	-6.7	59,310	61,856
	Household durable goods industries	6,413	6,292	6,567	+1.9	-4.2	+1.3	5,607	6,765	6,401	5,406	+3.7	43,945	42,485

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		July 1988p	June 1988r	May 1988r	June-Julyp	May-Jun er	Apr.-May r	July 1988p	June 1988r	May 1988r	July 1987r	July 88/87r	1988p	1987r
	All manufacturing industries	220,155	228,090	216,398	-3.5	+5.4	-0.3	202,932	239,026	214,369	189,782	+6.9	1,512,942	1,385,426
	Manufacturing industries with unfilled orders	122,872	130,121	120,028	-5.6	+8.4	-1.5	111,805	135,611	116,601	105,866	+5.6	847,450	767,443
	Durable goods industries	116,525	125,442	115,369	-7.1	+8.7	-1.3	104,093	132,393	114,133	98,338	+5.9	816,633	740,490
	With unfilled orders	96,907	104,123	94,247	-6.9	+10.5	-2.1	87,076	109,133	91,499	82,091	+6.1	670,208	600,920
32	Stone, clay, and glass products	5,282	5,434	5,451	-2.8	-0.3	+3.5	5,041	5,893	5,596	5,068	-.5	37,262	35,638
33	Primary metals	12,171	12,271	12,348	-0.8	-0.6	+10.3	10,965	12,229	11,870	9,236	+18.7	82,836	67,849
331	Blast furnaces, steel mills	5,200	5,210	5,654	-0.2	-7.9	+20.5	4,656	4,987	5,155	4,191	+11.1	35,664	29,690
332	Iron and steel foundries	862	883	923	-2.4	-4.3	+8.6	772	945	919	729	+5.9	6,139	5,593
333-9	Nonferrous and other primary metals	6,109	6,178	5,771	-1.1	+7.1	+2.0	5,537	6,297	5,796	4,316	+28.3	41,033	32,566
34	Fabricated metal products	11,590	11,958	12,038	-3.1	-0.7	+3.4	10,916	12,817	12,427	10,677	+2.2	82,302	80,400
35	Machinery, except electrical	21,102	22,018	20,969	-4.2	+5.0	-0.4	18,874	24,338	20,769	16,965	+11.3	145,033	125,101
351	Engines and turbines	1,285	1,493	1,304	-13.9	+14.5	+8.3	1,197	1,553	1,338	1,147	+4.4	8,625	7,858
353	Construction, mining, and material handling equipment	2,463	2,629	2,437	-6.3	+7.9	-7.8	2,645	2,668	2,435	2,619	+1.0	18,055	14,596
354	Metalworking machinery	1,084	1,309	1,051	-17.2	+24.5	-1.3	1,085	1,415	1,024	740	+46.6	7,723	5,361
357	Office and computing machines	5,905	5,833	5,631	+1.2	+3.6	-4.8	4,673	7,308	5,218	4,058	+15.2	37,508	33,367
36	Electrical machinery	19,214	18,461	18,865	+4.1	-2.1	+2.4	16,663	19,931	18,122	16,148	+3.2	128,897	118,101
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,387	2,225	2,269	+7.3	-1.9	-0.2	2,125	2,360	2,231	1,943	+9.4	15,819	14,781
366	Communication equipment	6,370	5,819	6,140	+9.5	-5.2	+0.6	4,742	6,534	5,508	5,040	-5.9	40,407	38,812
367	Electronic components	4,833	4,747	4,526	+1.8	+4.9	+0.3	4,559	4,921	4,590	4,125	+10.5	33,312	27,392
364,9	Other electrical machinery	3,236	3,311	3,539	-2.3	-6.4	+5.7	2,933	3,497	3,345	2,762	+6.2	22,999	20,620
37	Transportation equipment	29,426	37,735	28,313	-22.0	+33.3	-9.9	24,778	38,406	27,835	23,950	+3.5	217,075	197,805
372,6	Aircraft, missiles, and parts	11,104	12,831	8,555	-13.5	+50.0	-25.5	9,718	12,146	6,750	10,973	-11.4	72,784	64,225
3731,95	Shipbuilding and military tank vehicles	507	5,242	142	-90.3	+3591.5	-88.1	845	5,278	493	590	+43.2	11,279	7,612
38	Instruments and related products	6,490	6,095	6,051	+6.5	+0.7	-1.1	6,152	6,704	6,010	5,583	+10.2	42,150	38,817
381-4	Scientific and engineering instruments	4,502	4,058	4,088	+10.9	-0.7	-1.4	4,179	4,424	4,054	3,731	+12.0	28,696	25,921
24,25, 39	All other durable goods	11,250	11,470	11,334	-1.9	+1.2	-3.2	10,704	12,075	11,504	10,711	-.1	81,078	76,779
	Nondurable goods industries	103,630	102,648	101,029	+1.0	+1.6	+0.8	98,839	106,633	100,236	91,444	+8.1	696,309	644,936
	With unfilled orders	25,965	25,998	25,781	-0.1	+0.8	+1.0	24,729	26,478	25,102	23,775	+4.0	177,242	166,523
	Market categories:													
	Home goods and apparel	13,725	14,347	13,565	-4.3	+5.8	-1.7	12,989	14,855	12,980	13,328	-2.5	97,004	95,800
	Consumer staples	41,749	41,532	41,450	+0.5	+0.2	+0.6	39,667	43,584	40,991	36,711	+8.1	281,779	261,159
	Equipment and defense products, except automotive	39,292	44,262	34,615	-11.2	+27.9	-6.5	34,563	46,600	33,002	31,830	+8.6	260,613	228,458
	Automotive equipment	18,777	20,656	20,778	-9.1	-0.6	+5.2	15,159	22,144	21,793	13,372	+13.4	140,306	133,422
	Construction materials, supplies and intermediate products	16,740	17,284	16,970	-3.1	+1.9	+1.1	16,451	18,790	17,532	16,150	+1.9	118,801	109,987
	Other materials, supplies, and intermediate products	89,872	90,009	89,020	-0.2	+1.1	+0.6	84,103	93,053	88,071	78,391	+7.3	614,439	556,600
	Supplementary series:[2]													
	Capital goods industries	43,144	49,287	39,737	-12.5	+24.0	-8.9	38,085	51,896	36,928	36,686	+3.8	294,577	260,663
	Nondefense	35,766	35,458	31,522	+0.9	+12.5	-6.6	32,278	39,017	30,579	28,775	+12.2	232,682	199,734
	Excluding aircraft and parts	28,567	28,099	28,131	+1.7	-0.1	+0.2	25,543	31,387	27,140	22,970	+11.2	191,870	168,685
	Defense	7,378	13,829	8,215	-46.6	+68.3	-16.8	5,807	12,879	6,349	7,911	-26.6	61,895	60,929
	Household durable goods industries	6,143	6,322	6,343	-2.8	-0.3	-1.8	5,425	6,667	6,263	5,659	-4.1	45,254	44,266

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change July 88/87[P]
		End of month			Percent change			End of month				
		July 1988[P]	June 1988[r]	May 1988[r]	June-July[P]	May-June[r]	Apr.-May[r]	July 1988[P]	June 1988[r]	May 1988[r]	July 1987[r]	
	All manufacturing industries	446,659	443,357	434,148	+0.7	+2.1	+0.1	447,075	443,916	437,663	406,869	+9.9
	Durable goods industries	426,514	423,162	414,242	+0.8	+2.2	+0.1	426,277	423,560	417,326	386,820	+10.2
32	Stone, clay, and glass products	5,839	5,727	5,598	+2.0	+2.3	+2.6	5,844	5,825	5,699	5,295	+10.4
33	Primary metals	25,541	25,012	24,942	+2.1	+0.3	+3.2	25,070	24,843	25,536	20,832	+20.3
331	Blast furnaces, steel mills	11,775	11,591	11,541	+1.6	+0.4	+5.4	11,304	11,263	11,853	10,319	+9.5
332	Iron and steel foundries	2,195	2,126	2,108	+3.2	+0.9	+1.1	2,195	2,121	2,106	1,830	+19.9
333-9	Nonferrous and other primary metals	11,571	11,295	11,293	+2.4	0.0	+1.4	11,571	11,459	11,577	8,683	+33.3
34	Fabricated metal products	28,999	28,959	29,399	+0.1	-1.5	-0.1	29,125	29,046	29,567	29,073	+.2
35	Machinery, except electrical	57,207	56,879	55,864	+0.6	+1.8	+1.1	57,161	56,878	56,267	50,346	+13.5
351	Engines and turbines	5,167	5,182	4,965	-0.3	+4.4	+0.2	5,066	5,008	4,831	5,033	+.7
353	Construction, mining, and material handling equipment	7,481	7,624	7,496	-1.9	+1.7	-0.6	7,406	7,497	7,497	6,496	+14.0
354	Metalworking machinery	4,060	3,966	3,574	+2.4	+11.0	+2.6	4,222	3,959	3,549	2,937	+43.8
357	Office and computing machines	13,955	13,820	13,882	+1.0	-0.4	-0.2	14,234	14,119	14,112	14,489	-1.8
36	Electrical machinery	93,480	93,283	93,564	+0.2	-0.3	0.0	93,591	93,877	94,048	91,008	+2.8
361,2	Electrical transmission and distribution equipment and industrial apparatus	6,677	6,582	o,609	+1.4	-0.4	0.0	6,677	6,565	6,639	6,188	+7.9
366	Communication equipment	65,605	65,530	66,008	+0.1	-0.7	+0.2	65,100	65,761	66,052	65,809	-1.1
367	Electronic components	15,766	15,758	15,626	+0.1	+0.8	+0.1	16,239	16,119	16,016	14,094	+15.2
364,9	Other electrical machinery	4,504	4,521	4,460	-0.4	+1.4	-0.1	4,594	4,524	4,449	3,863	+18.9
37	Transportation equipment	194,275	192,008	183,537	+1.2	+4.6	-0.5	193,521	191,208	184,190	169,262	+14.3
372,6	Aircraft, missiles, and parts	159,859	157,516	153,459	+1.5	+2.6	-0.1	158,405	156,619	153,920	138,465	+14.4
3731,95	Shipbuilding and military tank vehicles	23,545	23,869	19,451	-1.4	+22.7	-3.6	24,245	24,197	19,768	20,022	+21.1
38	Instruments and related products	14,089	13,929	13,909	+1.1	+0.1	+0.7	14,205	13,954	13,840	13,372	+6.2
381-4	Scientific and engineering instruments	13,129	12,956	12,957	+1.3	0.0	+0.8	13,129	12,933	12,884	12,159	+8.0
24,25, 39	All other durable goods	7,084	7,365	7,429	-3.8	-0.9	-1.4	7,760	7,929	8,179	7,632	+1.7
	Nondurable goods industries	20,145	20,195	19,906	-0.2	+1.5	0.0	20,798	20,356	20,337	20,049	+3.7
	Market categories:											
	Home goods and apparel	7,858	8,287	8,237	-5.2	+0.6	-4.6	8,751	8,903	9,091	8,925	-1.9
	Consumer staples	701	705	711	-0.6	-0.8	-3.3	680	637	691	641	+6.1
	Equipment and defense products, except automotive	270,011	267,218	259,242	+1.0	+3.1	-0.4	268,784	266,895	260,422	243,160	+10.5
	Automotive equipment	8,870	8,882	9,019	-0.1	-1.5	+0.3	8,870	8,651	8,894	9,448	-6.1
	Construction materials, supplies and intermediate products	15,465	15,475	15,316	-0.1	+1.0	+0.1	15,562	15,695	15,584	14,738	+5.6
	Other materials, supplies, and intermediate products	143,754	142,790	141,623	+0.7	+0.8	+1.5	144,428	143,135	142,981	129,957	+11.1
	Supplementary series:[2]											
	Capital goods industries	324,385	321,730	312,986	+0.8	+2.8	-0.1	323,155	321,357	314,145	292,066	+10.6
	Nondefense	158,404	154,613	150,977	+2.5	+2.4	-0.1	158,448	154,716	151,053	131,214	+20.8
	Excluding aircraft and parts	83,641	82,894	82,546	+0.9	+0.4	+0.6	83,685	82,997	82,622	75,867	+10.3
	Defense	165,981	167,117	162,009	-0.7	+3.2	-0.1	164,707	166,641	163,092	160,852	+2.4
	Household durable goods industries	5,616	5,886	5,856	-4.6	+0.5	-3.7	6,256	6,438	6,536	6,503	-3.8

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change July 88/87P
		End of month			Percent change			End of month				
		July 1988P	June 1988r	May 1988r	June-JulyP	May-Jnerr	Apr.-Mayr	July 1988P	June 1988r	May 1988r	July 1987r	
	All manufacturing industries	343,522	341,963	340,074	+0.5	+0.6	+0.6	343,940	342,678	343,446	320,944	+7.2
	Manufacturing industries with unfilled orders	237,061	235,862	234,957	+0.5	+0.4	+0.7	238,927	237,605	238,016	222,009	+7.6
	Durable goods industries	225,482	224,000	222,948	+0.7	+0.5	+0.7	226,080	225,046	225,646	210,364	+7.5
	With unfilled orders	207,442	206,442	205,551	+0.5	+0.4	+0.7	208,786	207,760	208,059	194,271	+7.5
32	Stone, clay, and glass products	7,314	7,198	7,297	+1.6	-1.4	+1.1	7,384	7,318	7,533	7,217	+2.3
33	Primary metals	18,988	18,730	18,897	+1.4	-0.9	+0.2	19,171	18,809	19,059	17,049	+12.4
331	Blast furnaces, steel mills	9,131	9,029	9,067	+1.1	-0.4	-0.4	9,314	9,087	9,109	7,944	+17.2
332	Iron and steel foundries	1,237	1,238	1,247	-0.1	-0.7	-1.7	1,237	1,254	1,292	1,234	+.2
333-9	Nonferrous and other primary metals	8,620	8,463	8,583	+1.9	-1.4	+1.2	8,620	8,468	8,658	7,871	+9.5
34	Fabricated metal products	22,913	22,831	23,111	+0.4	-1.2	-0.1	22,939	23,173	23,428	21,964	+4.4
35	Machinery, except electrical	44,347	43,942	43,497	+0.9	+1.0	+1.1	44,435	43,992	44,133	41,325	+7.5
351	Engines and turbines	2,888	2,888	2,803	0.0	+3.0	+1.0	2,949	2,917	2,855	2,730	+8.0
353	Construction, mining, and material handling equipment	7,127	7,075	7,014	+0.7	+0.9	+1.1	7,056	7,028	7,083	6,440	+9.6
354	Metalworking machinery	2,811	2,777	2,727	+1.2	+1.8	+4.0	2,839	2,778	2,781	2,724	+4.2
357	Office and computing machines	11,590	11,296	11,080	+2.6	+1.9	+1.0	11,706	11,333	11,339	10,494	+11.5
36	Electrical machinery	39,350	39,495	39,438	-0.4	+0.1	0.0	39,885	40,118	40,080	39,024	+2.2
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,004	5,014	5,022	-0.2	-0.2	+0.2	5,038	5,069	5,121	4,959	+1.6
363	Household appliances	2,778	2,790	2,840	-0.4	-1.8	+0.4	2,806	2,943	3,070	2,722	+3.1
365	Radio and TV	1,397	1,326	1,324	+5.4	+0.2	-2.0	1,509	1,401	1,388	1,637	-7.8
366	Communication equipment	15,887	16,214	16,205	-2.0	+0.1	-0.1	16,045	16,279	16,257	16,355	-1.9
367	Electronic components	8,285	6,140	8,052	+1.8	+1.1	-0.1	8,368	8,247	8,110	7,442	+12.4
364,9	Other electrical machinery	5,999	6,011	5,995	-0.2	+0.3	+0.6	6,119	6,179	6,134	5,909	+3.6
37	Transportation equipment	61,275	60,932	59,997	+0.6	+1.6	+1.2	60,926	60,578	60,244	54,142	+12.5
371	Motor vehicles and parts	11,563	11,574	11,419	-0.1	+1.4	-0.2	11,026	11,106	11,308	10,626	+3.8
372,6	Aircraft, missiles, and parts	45,478	45,297	44,569	+0.4	+1.6	+1.4	45,732	45,448	44,909	39,738	+15.1
3731,95	Shipbuilding and military tank vehicles	2,106	2,052	2,061	+2.6	-0.4	+4.1	2,137	2,040	2,071	1,984	+7.7
38	Instruments and related products	13,224	13,127	13,109	+0.7	+0.1	+1.6	13,305	13,292	13,378	12,606	+5.5
381-4	Scientific and engineering instruments	9,767	9,694	9,716	+0.8	-0.2	+2.1	9,767	9,765	9,872	9,200	+6.2
386	Photographic goods	2,892	2,859	2,815	+1.2	+1.6	+0.3	2,950	2,925	2,908	2,712	+8.8
24,25, 39	All other durable goods	18,071	17,745	17,602	+1.8	+0.8	+0.4	18,035	17,766	17,791	17,037	+5.9
	Nondurable goods industries	118,040	117,963	117,126	+0.1	+0.7	+0.5	117,860	117,632	117,800	110,580	+6.6
	With unfilled orders	29,619	29,420	29,406	+0.7	0.0	+0.8	30,141	29,845	29,957	27,738	+8.7
20	Food and kindred products	25,384	25,666	25,140	-1.1	+2.1	+0.3	24,607	24,487	24,299	23,419	+5.1
202	Dairy products	2,277	2,219	2,240	+2.6	-0.9	+1.0	2,300	2,239	2,306	2,154	+6.8
208	Beverages	4,335	4,354	4,407	-0.4	-1.2	+1.0	4,335	4,361	4,475	4,474	-3.1
203-6,9	All other foods	14,506	14,646	14,326	-1.0	+2.2	-0.6	13,926	13,525	13,393	13,606	+2.4
21	Tobacco products	5,771	5,703	5,613	+1.2	+1.6	-1.0	5,252	5,333	5,529	5,429	-3.3
22	Textile mill products	7,680	7,571	7,588	+1.4	-0.2	+0.5	7,783	7,698	7,823	7,424	+4.8
221-4,6, 8,9	Broadwoven fabrics	4,505	4,449	4,462	+1.3	-0.3	+1.4	4,550	4,474	4,556	4,344	+4.7
26	Paper and allied products	11,513	11,436	11,390	+0.7	+0.4	0.0	11,521	11,588	11,626	10,858	+6.1
261-3,6	Pulp, paper etc.	4,009	3,978	3,957	+0.8	+0.5	-0.2	4,009	4,012	4,015	3,779	+6.1
265	Paperboard containers	3,225	3,196	3,219	+0.9	-0.7	+1.1	3,193	3,195	3,272	2,856	+11.8
264	All other paper products	4,279	4,262	4,214	+0.4	+1.1	-0.6	4,319	4,381	4,339	4,223	+2.3
28	Chemicals and allied products	26,031	25,954	25,742	+0.3	+0.8	+0.4	26,277	26,005	25,892	24,273	+8.3
281,6	Industrial chemicals, except pigments	6,748	6,721	6,661	+0.4	+0.9	-0.8	6,815	6,755	6,658	6,362	+7.1
283,4	Drugs, soaps, and toiletries	9,281	9,241	9,114	+0.4	+1.4	+0.4	9,467	9,429	9,329	8,578	+10.4
282,9	Other chemical products	6,551	6,460	6,386	+1.4	+1.2	+1.4	6,617	6,449	6,441	5,934	+11.5
29	Petroleum and coal products	9,946	10,024	10,154	-0.8	-1.3	+1.0	9,864	9,946	10,152	9,802	+.6
30	Rubber and plastics products	9,729	9,528	9,383	+2.1	+1.5	+0.6	9,729	9,631	9,634	8,734	+11.4
23,27, 31	All other nondurable goods	21,986	22,081	22,116	-0.4	-0.2	+1.3	22,827	22,944	22,845	20,641	+10.6
	Market categories:											
	Home goods and apparel	26,446	26,463	26,696	-0.1	-0.9	+0.8	27,284	27,602	27,828	26,416	+3.3
	Consumer staples	43,533	43,510	43,010	+0.1	+1.2	-0.2	42,782	42,261	42,408	40,895	+4.6
	Equipment and defense products, except automotive	100,774	100,817	99,582	0.0	+1.2	+1.1	100,998	100,975	100,612	93,450	+8.1
	Automotive equipment	14,431	14,309	14,068	+0.9	+1.7	0.0	13,773	13,841	14,032	13,087	+5.2
	Construction materials, supplies and intermediate products	25,244	24,762	24,857	+1.9	-0.4	+0.4	25,139	25,035	25,339	23,434	+7.3
	Other materials, supplies, and intermediate products	133,094	132,102	131,861	+0.8	+0.2	+0.6	133,964	132,964	133,227	123,662	+8.3
	Supplementary series:[2]											
	Capital goods industries	116,276	116,012	114,838	+0.2	+1.0	+1.0	117,065	116,649	116,165	108,027	+8.4
	Nondefense	81,405	80,684	80,143	+0.9	+0.7	+0.7	81,682	81,003	81,106	75,334	+8.4
	Excluding aircraft and parts	61,337	60,925	60,399	+0.7	+0.9	+0.9	61,778	61,390	61,398	58,389	+5.8
	Defense	34,871	35,328	34,695	-1.3	+1.8	+1.8	35,383	35,646	35,059	32,693	+8.2
	Household durable goods industries	12,640	12,609	12,650	+0.2	-0.3	+0.4	13,021	12,976	13,068	13,143	-.9

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: July 1988[p]	June 1988[r]	May 1988[r]	Percent change: June-July[p]	May-June[r]	Apr.-May[r]	Not seasonally adjusted[1]: End of month: July 1988[p]	June 1988[r]	May 1988[r]	July 1987[r]	Percent change July 88/87[p]
	MATERIALS AND SUPPLIES											
	All manufacturing industries	110,166	109,777	108,895	+0.4	+0.8	+0.7	110,249	109,634	108,853	103,019	+7.0
	Durable goods industries	64,051	63,522	63,105	+0.8	+0.7	+0.9	64,303	63,422	62,891	60,351	+6.5
32	Stone, clay, and glass products	2,408	2,392	2,404	+0.7	-0.5	+1.6	2,446	2,394	2,427	2,323	+5.3
33	Primary metals	6,061	6,007	5,984	+0.9	+0.4	+0.6	6,074	5,915	5,787	5,289	+14.8
34	Fabricated metal products	8,384	8,351	8,359	+0.4	-0.1	+0.2	8,495	8,413	8,332	7,761	+9.5
35	Machinery, except electrical	12,550	12,273	12,262	+2.3	+0.1	+0.8	12,665	12,258	12,297	11,534	+9.8
36	Electrical machinery	10,442	10,480	10,500	-0.4	-0.2	+0.6	10,695	10,585	10,580	10,526	+1.6
37	Transportation equipment	12,702	12,720	12,403	-0.1	+2.6	+0.9	12,426	12,689	12,375	12,241	+1.5
38	Instruments and related products	4,394	4,378	4,281	+0.4	+2.3	+0.8	4,456	4,424	4,332	4,130	+7.9
24,25, 39	All other durable goods	7,110	6,921	6,912	+2.7	+0.1	+2.6	7,046	6,744	6,761	6,547	+7.6
	Nondurable goods industries	46,115	46,255	45,790	-0.3	+1.0	+0.5	45,946	46,212	45,962	42,668	+7.7
20	Food and kindred products	8,932	9,290	9,158	-3.9	+1.4	+1.5	8,691	9,126	9,084	8,317	+4.5
21	Tobacco products	4,415	4,354	4,332	+1.4	+0.5	-1.7	4,049	4,154	4,318	4,479	-9.6
22	Textile mill products	2,343	2,291	2,306	+2.3	-0.7	-0.4	2,391	2,332	2,406	2,147	+11.4
26	Paper and allied products	6,303	6,286	6,208	+0.3	+1.3	+1.0	6,282	6,332	6,243	5,644	+11.3
28	Chemicals and allied products	9,229	9,334	9,078	-1.1	+2.8	-0.9	9,477	9,403	9,067	8,666	+9.4
29	Petroleum and coal products	2,454	2,489	2,477	-1.4	+0.5	+1.6	2,377	2,505	2,523	2,369	+.3
30	Rubber and plastics products	3,934	3,777	3,706	+4.2	+1.9	+1.0	3,934	3,819	3,752	3,336	+17.9
23,27, 31	All other nondurable goods	8,505	8,434	8,525	+0.8	-1.1	+1.2	8,745	8,541	8,569	7,710	+13.4
	WORK IN PROCESS											
	All manufacturing industries	123,862	123,162	122,753	+0.6	+0.3	+0.8	123,998	123,059	123,726	113,897	+8.9
	Durable goods industries	104,644	104,112	103,678	+0.5	+0.4	+1.0	104,783	104,077	104,495	95,781	+9.4
32	Stone, clay, and glass products	1,122	1,131	1,163	-0.8	-2.8	+3.2	1,128	1,140	1,177	1,033	+9.2
33	Primary metals	7,578	7,577	7,606	0.0	-0.4	-0.1	7,662	7,621	7,736	6,771	+13.2
34	Fabricated metal products	7,978	7,941	8,201	+0.5	-3.2	+0.1	7,971	8,048	8,363	7,561	+5.4
35	Machinery, except electrical	17,687	17,725	17,562	-0.2	+0.9	+2.4	17,531	17,668	17,646	17,023	+3.0
36	Electrical machinery	19,686	19,689	19,644	0.0	+0.2	-0.7	19,828	19,826	19,774	19,556	+1.4
37	Transportation equipment	41,585	41,199	40,666	+0.9	+1.3	+1.5	41,636	40,851	40,818	35,462	+17.4
38	Instruments and related products	5,238	5,128	5,227	+2.1	-1.9	+2.7	5,239	5,202	5,352	4,887	+7.2
24,25, 39	All other durable goods	3,770	3,722	3,609	+1.3	+3.1	-0.4	3,788	3,721	3,629	3,488	+8.6
	Nondurable goods industries	19,218	19,050	19,075	+0.9	-0.1	+0.1	19,215	18,982	19,231	18,116	+6.1
20	Food and kindred products	2,700	2,643	2,573	+2.2	+2.7	-1.6	2,646	2,583	2,519	2,536	+4.3
21	Tobacco products	252	250	248	+0.8	+0.8	+14.3	179	187	199	82	+118.3
22	Textile mill products	2,354	2,335	2,303	+0.8	+1.4	+1.7	2,333	2,321	2,329	2,198	+6.1
26	Paper and allied products	1,303	1,261	1,269	+3.3	-0.6	-2.0	1,322	1,264	1,279	1,243	+6.4
28	Chemicals and allied products	4,113	4,043	4,163	+1.7	-2.9	+0.8	4,203	4,122	4,238	3,888	+8.1
29	Petroleum and coal products	2,583	2,507	2,516	+3.0	-0.4	-1.1	2,595	2,496	2,565	2,547	+1.9
30	Rubber and plastics products	1,400	1,408	1,414	-0.6	-0.4	+2.5	1,386	1,374	1,386	1,195	+16.0
23,27, 31	All other nondurable goods	4,513	4,603	4,589	-2.0	+0.3	-0.5	4,551	4,635	4,716	4,427	+2.8
	FINISHED GOODS											
	All manufacturing industries	109,494	109,024	108,426	+0.4	+0.6	+0.3	109,693	109,985	110,867	104,028	+5.4
	Durable goods industries	56,787	56,366	56,165	+0.7	+0.4	-0.1	56,994	57,547	58,260	54,232	+5.1
32	Stone, clay, and glass products	3,784	3,675	3,730	+3.0	-1.5	+0.1	3,810	3,784	3,929	3,861	-1.3
33	Primary metals	5,349	5,146	5,307	+3.9	-3.0	+0.4	5,435	5,273	5,536	4,989	+8.9
34	Fabricated metal products	6,551	6,539	6,551	+0.2	-0.2	-0.7	6,473	6,712	6,733	6,642	-2.5
35	Machinery, except electrical	14,110	13,944	13,673	+1.2	+2.0	-0.1	14,239	14,066	14,190	12,768	+11.5
36	Electrical machinery	9,222	9,326	9,294	-1.1	+0.3	+0.9	9,362	9,707	9,726	8,942	+4.7
37	Transportation equipment	6,988	7,013	6,928	-0.4	+1.2	-0.2	6,864	7,038	7,051	6,439	+6.6
38	Instruments and related products	3,592	3,621	3,601	-0.8	+0.6	+1.0	3,610	3,666	3,694	3,589	+.6
24,25, 39	All other durable goods	7,191	7,102	7,081	+1.3	+0.3	-1.4	7,201	7,301	7,401	7,002	+2.8
	Nondurable goods industries	52,707	52,658	52,261	+0.1	+0.8	+0.7	52,699	52,438	52,607	49,796	+5.8
20	Food and kindred products	13,752	13,733	13,409	+0.1	+2.4	-0.2	13,270	12,778	12,696	12,566	+5.6
21	Tobacco products	1,104	1,099	1,033	+0.5	+6.4	-1.3	1,024	992	1,012	868	+18.0
22	Textile mill products	2,983	2,945	2,979	+1.3	-1.1	+0.2	3,059	3,045	3,088	3,079	-.6
26	Paper and allied products	3,907	3,889	3,913	+0.5	-0.6	-0.9	3,917	3,992	4,104	3,971	-1.4
28	Chemicals and allied products	12,689	12,577	12,501	+0.9	+0.6	+1.3	12,597	12,480	12,587	11,719	+7.5
29	Petroleum and coal products	4,909	5,028	5,161	-2.4	-2.6	+1.7	4,892	4,945	5,064	4,886	+.1
30	Rubber and plastics products	4,395	4,343	4,263	+1.2	+1.9	-0.2	4,409	4,438	4,496	4,203	+4.9
23,27, 31	All other nondurable goods	8,968	9,044	9,002	-0.8	+0.5	+2.2	9,531	9,768	9,560	8,504	+12.1

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		July 1988P	June 1988r	May 1988r	Apr. 1988r	July 1988P	June 1988r	May 1988r	Apr. 1988r
	All manufacturing industries	1.58	1.56	1.58	1.59	3.74	3.67	3.64	3.68
	Durable goods industries	1.99	1.92	1.94	1.97	4.56	4.44	4.42	4.50
32	Stone, clay, and glass products	1.41	1.36	1.37	1.39	1.23	1.17	1.14	1.15
33	Primary metals	1.63	1.54	1.63	1.68	2.19	2.05	2.15	2.15
34	Fabricated metal products	1.98	1.84	1.91	1.96	2.79	2.60	2.68	2.77
35	Machinery, except electrical	2.13	2.09	2.14	2.14	2.90	2.85	2.90	2.91
36	Electrical machinery	2.07	2.11	2.09	2.14	4.92	4.98	4.95	5.07
37	Transportation equipment	2.26	2.08	2.06	2.12	12.27	11.80	11.33	11.65
38	Instruments and related products	2.09	2.16	2.20	2.10	2.23	2.29	2.34	2.25
	Nondurable goods industries	1.14	1.15	1.16	1.16	0.77	0.79	0.77	0.77
20	Food and kindred products	0.83	0.85	0.86	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	3.52	3.46	2.68	3.19	(X)	(X)	(X)	(X)
22	Textile mill products	1.53	1.51	1.55	1.52	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.10	1.11	1.13	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.26	1.30	1.31	1.30	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.91	0.94	0.96	0.95	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.32	1.27	1.25	1.26	(X)	(X)	(X)	(X)

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1987	All Julys 1983-1987	July 1987-June 1988	Year ago July 1987	All Julys 1983-1987	July 1987-July 1988	Year ago July 1987	All Julys 1983-1987	July 1987-June 1988	Year ago July 1987	All Julys 1983-1987	July 1987-June 1988
	All manufacturing industries	0.1	0.3	0.2	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.3	0.3	0.2	0.6	0.6	0.5	0.3	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products	0.3	0.7	0.8	0.4	1.1	0.6	0.1	0.7	0.5	0.4	0.4	0.2
33	Primary metals	0.3	0.6	0.7	0.9	0.9	1.4	0.3	0.5	0.4	0.0	0.2	0.4
34	Fabricated metal products	0.3	1.1	0.5	0.9	1.0	0.8	0.8	0.3	0.4	0.2	0.2	0.1
35	Machinery, except electrical	0.2	0.6	0.8	0.2	1.0	0.9	0.1	0.3	0.2	0.1	0.1	0.2
36	Electrical machinery	0.4	0.6	0.5	1.2	1.1	0.9	0.2	0.1	0.1	0.0	0.1	0.2
37	Transportation equipment	0.1	0.2	0.1	1.2	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.1
38	Instruments and related products	1.5	0.8	0.9	0.2	1.8	0.9	1.0	1.1	0.4	0.1	0.2	0.1
	Nondurable goods industries	0.4	0.4	0.2	0.5	0.5	0.3	0.7	0.6	0.6	0.1	0.1	0.1
20	Food and kindred products	0.3	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.3
21	Tobacco products	0.0	0.1	1.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	1.4	1.6	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.5
26	Paper and allied products	1.1	0.7	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.5	0.1
28	Chemicals and allied product	0.1	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
29	Petroleum and coal products	0.6	0.8	0.8	(X)	(X)	(X)	(X)	(X)	(X)	1.4	0.8	0.6
30	Rubber and plastics products	0.9	1.4	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.7	0.3
	Capital goods industries:												
	Nondefense	0.2	0.5	0.5	1.2	0.8	0.8	0.4	0.2	0.1	0.1	0.1	0.1
	Defense	0.4	1.0	0.6	0.7	1.9	1.6	0.0	0.1	0.1	0.1	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

C 3.158:
M3-1 (88-8)

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

August 1988

M3-1-(88)-8

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E.D.T. Monday, October 3, 1988

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in August increased $6.8 billion or 3.1 percent to $226.6 billion following a 3.6 percent decline in July. Orders since the beginning of the year have averaged $217.7 billion per month, 7.8 percent above the $201.9 billion average for 1987. All of the August increase in orders was in durable goods as nondurables were virtually unchanged from July.

Shipments of manufactured goods in August increased $4.6 billion or 2.1 percent to $221.3 billion. The shipments increase was also concentrated in durable goods, as nondurables showed a 0.3 percent decline.

Unfilled orders in August increased $5.3 billion or 1.2 percent to $451.9 billion, continuing the upward trend which began in March 1987. The last time unfilled orders had an extended upward trend was December 1982 through May 1984.

Inventories in August increased $1.8 billion or 0.5 percent to $345.6 billion, continuing an upward trend which began in April 1987. The inventory to shipments ratio in August was 1.56, down from 1.59 in July.

New Orders

New orders for durable goods in August were up $6.9 billion or 5.9 percent to $123.0 billion. Most of the increase was in transportation equipment, up $5.6 billion; motor vehicles and parts were up $3.0 billion and aircraft and parts up $1.6 billion. The rest of the increase in durable orders was in non-electrical machinery, up $1.4 billion or 6.3 percent to $22.8 billion; the specific categories showed widespread increases. The rest of the major industries showed a mixed pattern of change.

New orders for nondurable goods in total were flat at $103.6 billion with increases in rubber and plastics, paper and tobacco offsetting declines in chemicals, petroleum, textiles, and apparel.

Shipments

Shipments of durable goods in August were up $4.9 billion or 4.3 percent to $118.0 billion. About two-thirds of the increase was in transportation equipment, where motor vehicles and parts were up $3.0 billion or 18.6 percent; in July this industry declined 10.8 percent.

Nonelectrical machinery shipments increased $0.8 billion or 4.1 percent from July to $21.6 billion; nonelectrical machinery shipments have shown a strong upward trend since November, averaging nearly 2.0 percent per month increases. Most of the other major durable goods industries showed smaller increases in August.

Shipments of nondurables were down $0.3 billion or 0.3 percent to $103.3 billion. The pattern of change within the specific categories was mixed; the largest decreases were in chemicals and apparel, and the largest increases in rubber and plastics, tobacco, and printing.

Unfilled Orders

Unfilled orders for durable goods increased $5.0 billion or 1.2 percent to $431.1 billion. Most of the increase was in transportation equipment and the rest in nonelectrical machinery. Transportation was up $4.1 billion or 2.1 percent to $198.1 billion, with virtually all categories showing gains. Nonelectrical machinery increased $1.2 billion or 2.0 percent to $58.7 billion. Several of the other major industries showed small declines. Unfilled orders for nondurables increased $0.4 billion or 1.8 percent to $20.7 billion.

Inventories

About half of the $1.8 billion increase in inventories in August was in durable goods, up $0.9 billion or 0.4 percent to $226.4 billion. Most of the major industries increased, although transportation equipment declined 1.2 percent. In nondurables, inventories increased $0.8 billion or 0.7 percent to $119.2 billion; the largest increase was in chemicals.

By stage of fabrication, materials and supplies increased 1.1 percent and finished goods 0.8 percent; work in process was down 0.2 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for September is scheduled for October 25, 1988 at 8:30 a.m. and the full report on November 2, 1988 at 10:00 a.m.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
NOV 1 1988
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Aug. 1988p	July 1988r	June 1988	July-Aug.p	June-Julyr	May-June	Aug. 1988p	July 1988r	June 1988	Aug. 1987r	Aug. 88/87p	1988p	1987r
	All manufacturing industries	221,288	216,698	218,881	+2.1	-1.0	+1.4	216,495	199,670	232,773	195,790	+10.6	1,698,257	1,556,793
	Manufacturing industries with unfilled orders	122,836	119,557	120,912	+2.7	-1.1	+1.3	119,754	108,677	129,358	107,082	+11.8	936,158	850,102
	Durable goods industries	118,035	113,122	116,522	+4.3	-2.9	+1.5	112,631	101,393	126,159	100,132	+12.5	899,567	820,621
	With unfilled orders	96,710	93,594	95,203	+3.3	-1.7	+1.7	93,176	84,419	102,899	82,477	+13.0	733,730	663,396
32	Stone, clay, and glass products	5,427	5,115	5,305	+6.1	-3.6	-0.1	5,657	4,999	5,767	5,124	+10.4	42,129	40,534
33	Primary metals	11,958	11,667	12,201	+2.5	-4.4	+5.4	11,925	10,728	12,922	9,709	+22.8	92,859	74,406
331	Blast furnaces, steel mills	5,106	5,032	5,160	+1.5	-2.5	+2.0	5,004	4,641	5,577	4,288	+16.7	40,815	32,172
332	Iron and steel foundries	872	810	865	+7.7	-6.4	-4.0	881	715	930	841	+4.8	6,773	6,403
333-9	Nonferrous and other primary metals	5,980	5,825	6,176	+2.7	-5.7	+10.0	6,040	5,372	6,415	4,580	+31.9	45,271	35,831
34	Fabricated metal products	11,857	11,519	12,398	+2.9	-7.1	+2.6	11,880	10,832	13,338	11,057	+7.4	94,701	90,544
35	Machinery, except electrical	21,595	20,749	21,003	+4.1	-1.2	+3.2	19,603	18,553	23,727	16,574	+18.3	159,428	138,884
351	Engines and turbines	1,496	1,286	1,276	+16.3	+0.8	-1.4	1,362	1,117	1,376	1,156	+17.8	10,221	9,097
353	Construction, mining, and material handling equipment	2,562	2,605	2,501	-1.7	+4.2	+0.8	2,306	2,727	2,668	2,058	+12.1	19,999	16,476
354	Metalworking machinery	1,051	990	917	+6.2	+8.0	-4.6	904	817	1,005	671	+34.7	7,136	5,960
357	Office and computing machines	5,899	5,779	5,895	+2.1	-2.0	+4.3	5,250	4,533	7,301	4,607	+14.0	42,015	37,476
36	Electrical machinery	19,100	19,019	18,742	+0.4	+1.5	-0.8	18,773	16,961	20,102	17,610	+6.6	146,235	135,100
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,291	2,296	2,252	-0.2	+2.0	-0.8	2,227	2,021	2,434	2,078	+7.2	17,763	16,817
363	Household appliances	1,549	1,482	1,478	+4.5	+0.3	-3.0	1,626	1,458	1,679	1,561	+4.2	12,054	12,091
365	Radio and TV	1,071	895	850	+19.7	+5.3	-15.0	1,060	773	924	957	+10.8	6,950	7,102
366	Communication equipment	6,113	6,296	6,297	-2.9	0.0	+4.3	5,933	5,416	6,825	5,843	+1.5	47,615	45,143
367	Electronic components	4,648	4,772	4,615	-2.6	+3.4	+2.4	4,602	4,420	4,818	4,085	+12.7	35,999	30,356
364,9	Other electrical machinery	3,428	3,278	3,250	+4.6	+0.9	-8.3	3,325	2,873	3,422	3,086	+7.7	25,854	23,591
37	Transportation equipment	30,734	27,252	29,264	+12.8	-6.9	+0.4	27,136	22,550	31,388	22,850	+18.8	225,484	211,543
371	Motor vehicles and parts	19,429	16,380	18,368	+18.6	-10.8	0.0	16,623	12,605	19,733	13,438	+23.7	140,691	130,845
372,6	Aircraft, missiles, and parts	9,223	8,934	8,774	+3.2	+1.8	+0.9	8,474	8,083	9,447	7,532	+12.5	68,410	65,958
3731,95	Shipbuilding and military tank vehicles	804	833	824	-3.5	+1.1	-5.7	815	799	849	840	-3.0	6,630	6,532
38	Instruments and related products	6,146	6,293	6,075	-2.3	+3.6	+2.1	5,995	5,895	6,590	5,440	+10.2	47,432	43,325
381-4	Scientific and engineering instruments	4,223	4,280	4,059	-1.3	+5.4	+1.8	4,181	3,956	4,375	3,710	+12.7	32,281	29,093
386	Photographic goods	1,773	1,849	1,848	-4.1	+0.1	+2.2	1,667	1,782	2,040	1,538	+8.4	13,747	12,692
24,25, 39	All other durable goods	11,218	11,508	11,534	-2.5	-0.2	+0.8	11,662	10,875	12,325	11,768	-.9	91,299	86,285
	Nondurable goods industries	103,253	103,576	102,359	-0.3	+1.2	+1.3	103,864	98,277	106,614	95,658	+8.6	798,690	736,172
	With unfilled orders	26,126	25,963	25,709	+0.6	+1.0	-0.3	26,578	24,258	26,459	24,605	+8.0	202,428	186,706
20	Food and kindred products	30,477	30,484	30,061	0.0	+1.4	+3.1	30,095	29,479	31,036	26,917	+11.8	231,891	212,303
202	Dairy products	4,092	4,067	4,094	+0.6	-0.7	+3.6	4,092	4,115	4,297	3,983	+2.7	32,200	31,263
208	Beverages	4,026	4,000	3,997	+0.6	+0.1	+2.1	4,308	4,278	4,516	3,958	+8.8	32,199	30,509
203-6,9	All other foods	14,293	14,199	13,849	+0.7	+2.5	+2.9	13,435	12,869	13,935	11,298	+18.9	105,092	90,950
21	Tobacco products	1,827	1,663	1,647	+9.9	+1.0	-21.4	1,772	1,275	2,192	1,591	+11.4	13,484	12,132
22	Textile mill products	4,729	4,919	4,999	-3.9	-1.6	+1.8	4,938	4,256	5,419	5,092	-3.0	38,345	37,653
221-4,6, 8,9	Broadwoven fabrics	2,996	2,995	3,040	0.0	-1.5	-2.5	3,056	2,472	3,294	3,111	-1.8	23,699	23,249
26	Paper and allied products	10,550	10,485	10,356	+0.6	+1.2	+0.7	10,641	10,076	10,859	9,324	+14.1	81,779	72,072
261-3,6	Pulp, paper etc.	4,716	4,703	4,547	+0.3	+3.4	+0.5	4,719	4,519	4,662	3,969	+18.9	36,347	30,605
265	Paperboard containers	2,599	2,564	2,595	+1.4	-1.2	+2.1	2,651	2,451	2,763	2,287	+15.9	19,964	17,518
264	All other paper products	3,235	3,218	3,214	+0.5	+0.1	0.0	3,271	3,106	3,434	3,068	+6.6	25,468	23,949
28	Chemicals and allied products	20,079	20,478	19,893	-1.9	+2.9	+1.4	19,722	18,748	20,887	17,652	+11.7	158,035	140,208
281,6	Industrial chemicals, except pigments	5,749	5,961	5,524	-3.6	+7.9	-0.6	5,634	5,677	5,816	4,848	+16.2	44,281	39,359
283,4	Drugs, soaps, and toiletries	6,029	5,846	5,896	+3.1	-0.8	-0.9	6,089	5,194	6,350	5,700	+6.8	46,956	43,558
282,9	Other chemical products	5,355	5,453	5,504	-1.8	-0.9	+3.8	5,355	5,131	5,652	5,015	+6.8	42,641	38,187
29	Petroleum and coal products	10,629	10,787	10,712	-1.5	+0.7	+0.8	10,928	10,977	10,867	11,176	-2.2	82,902	81,652
30	Rubber and plastics products	7,854	7,468	7,476	+5.2	-0.1	-0.5	7,694	6,935	8,066	6,455	+19.2	59,340	52,911
23,27, 31	All other nondurable goods	17,108	17,292	17,215	-1.1	+0.4	+2.2	18,074	16,531	17,288	17,451	+3.6	132,914	127,241
	Market categories:													
	Home goods and apparel	13,950	14,270	14,297	-2.2	-0.2	+2.4	15,171	13,233	15,043	15,105	+.4	110,594	107,828
	Consumer staples	42,506	41,765	41,538	+1.8	+0.5	+0.2	42,191	39,540	43,638	38,405	+9.9	323,874	299,664
	Equipment and defense products, except automotive	36,655	36,557	36,286	+0.3	+0.7	+1.8	34,536	32,778	40,127	30,943	+11.6	278,661	250,074
	Automotive equipment	21,966	18,685	20,793	+17.6	-10.1	+0.2	19,182	14,846	22,387	15,614	+22.9	159,727	148,317
	Construction materials, supplies and intermediate products	16,908	16,646	17,125	+1.6	-2.8	+1.0	17,517	16,595	18,679	16,437	+6.6	135,362	126,481
	Other materials, supplies, and intermediate products	89,303	88,775	88,842	+0.6	-0.1	+2.1	87,898	82,678	92,899	79,286	+10.9	690,039	624,429
	Supplementary series:[2]													
	Capital goods industries	41,492	40,675	40,543	+2.0	+0.3	+1.2	38,814	36,453	44,684	34,863	+11.3	311,384	283,811
	Nondefense	32,467	32,012	31,822	+1.4	+0.6	+0.5	30,169	28,647	35,354	26,369	+14.4	243,364	213,461
	Excluding aircraft and parts	28,427	27,830	27,751	+2.1	+0.3	+0.5	26,622	24,868	31,012	23,540	+13.1	212,532	187,868
	Defense	9,025	8,663	8,721	+4.2	-0.7	+4.1	8,645	7,806	9,330	8,494	+1.8	68,020	70,350
	Household durable goods industries	6,576	6,424	6,292	+2.4	+2.1	-4.2	6,858	5,586	6,765	6,597	+4.0	50,782	49,082

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Aug. 1988P	July 1988r	June 1988	July-Aug.P	June-Julyr	May-June	Aug. 1988P	July 1988r	June 1988	Aug. 1987r	Aug. 88/87P	1988P	1987r
	All manufacturing industries	226,637	219,877	228,090	+3.1	-3.6	+5.4	218,294	203,370	239,026	196,865	+10.9	1,731,674	1,582,291
	Manufacturing industries with unfilled orders	128,185	122,736	130,121	+4.4	-5.7	+8.4	121,553	112,377	135,611	108,157	+12.4	969,575	875,600
	Durable goods industries	123,020	116,112	125,442	+5.9	-7.4	+8.7	114,505	104,377	132,393	101,143	+13.2	931,422	841,633
	With unfilled orders	101,695	96,584	104,123	+5.3	-7.2	+10.5	95,050	87,403	109,133	83,488	+13.8	765,585	684,408
32	Stone, clay, and glass products	5,533	5,234	5,434	+5.7	-3.7	-0.3	5,751	5,038	5,893	5,252	+9.5	43,010	40,890
33	Primary metals	11,884	12,103	12,271	-1.8	-1.4	-0.6	11,640	10,922	12,229	9,919	+17.4	94,433	77,768
331	Blast furnaces, steel mills	4,884	5,085	5,210	-4.0	-2.4	-7.9	4,807	4,654	4,987	4,450	+8.0	40,469	34,140
332	Iron and steel foundries	872	862	883	+1.2	-2.4	-4.3	826	783	945	825	+.1	6,976	6,418
333-9	Nonferrous and other primary metals	6,128	6,156	6,178	-0.5	-0.4	+7.1	6,007	5,485	6,297	4,644	+29.3	46,988	37,210
34	Fabricated metal products	11,627	11,471	11,958	+1.4	-4.1	-0.7	11,606	10,931	12,817	11,146	+4.1	93,923	91,546
35	Machinery, except electrical	22,761	21,408	22,018	+6.3	-2.8	+5.0	21,167	19,127	24,338	17,406	+21.6	166,453	142,507
351	Engines and turbines	1,401	1,288	1,493	+8.8	-13.7	+14.5	1,392	1,188	1,553	1,316	+5.8	10,008	9,174
353	Construction, mining, and material handling equipment	2,727	2,640	2,629	+3.3	+0.4	+7.9	2,383	2,821	2,668	2,002	+19.0	20,614	16,598
354	Metalworking machinery	1,125	1,105	1,309	+1.8	-15.6	+24.5	1,014	1,111	1,415	717	+41.4	8,763	6,078
357	Office and computing machines	6,180	5,853	5,833	+5.6	+0.3	+3.6	5,759	4,505	7,308	4,554	+26.5	43,099	37,921
36	Electrical machinery	19,018	19,039	18,461	-0.1	+3.1	-2.1	18,091	16,734	19,931	17,269	+4.8	147,059	135,370
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,537	2,403	2,225	+5.6	+8.0	-1.9	2,497	2,142	2,360	2,217	+12.6	18,333	16,998
366	Communication equipment	5,803	6,219	5,819	-6.7	+6.9	-5.2	5,299	4,780	6,534	5,213	+1.6	45,744	44,025
367	Electronic components	4,542	4,690	4,747	-3.2	-1.2	+4.9	4,103	4,526	4,921	4,013	+2.2	37,382	31,405
364,9	Other electrical machinery	3,469	3,274	3,311	+6.0	-1.1	-6.4	3,387	2,936	3,497	3,156	+7.3	26,389	23,776
37	Transportation equipment	34,792	29,239	37,735	+19.0	-22.5	+33.3	28,927	24,779	38,406	23,032	+25.6	246,003	220,837
372,6	Aircraft, missiles, and parts	12,573	10,987	12,831	+14.4	-14.4	+50.0	10,780	9,786	12,146	8,289	+30.1	83,632	72,514
3731,95	Shipbuilding and military tank vehicles	1,365	511	5,242	+167.1	-90.3	+3591.5	232	847	5,278	373	-37.8	11,513	7,985
38	Instruments and related products	6,099	6,312	6,095	-3.4	+3.6	+0.7	5,837	6,054	6,704	5,453	+7.0	47,889	44,270
381-4	Scientific and engineering instruments	4,184	4,355	4,058	-3.9	+7.3	-0.7	4,088	4,108	4,424	3,783	+8.1	32,713	29,704
24,25, 39	All other durable goods	11,306	11,306	11,470	0.0	-1.4	+1.2	11,486	10,792	12,075	11,666	-1.5	92,652	88,445
	Nondurable goods industries	103,617	103,765	102,648	-0.1	+1.1	+1.6	103,789	98,993	106,633	95,722	+8.4	800,252	740,658
	With unfilled orders	26,490	26,152	25,998	+1.3	+0.6	+0.8	26,503	24,974	26,478	24,669	+7.4	203,990	191,192
	Market categories:													
	Home goods and apparel	14,021	14,007	14,347	+0.1	-2.4	+5.8	15,000	13,271	14,855	15,056	-.4	112,286	110,856
	Consumer staples	42,539	41,895	41,532	+1.5	+0.9	+0.2	42,227	39,726	43,584	38,411	+9.9	324,065	299,570
	Equipment and defense products, except automotive	39,305	39,153	44,262	+0.4	-11.5	+27.9	35,219	34,826	46,600	31,392	+12.2	296,095	259,850
	Automotive equipment	21,864	18,681	20,656	+17.0	-9.6	-0.6	19,001	15,064	22,144	15,558	+22.1	159,212	148,980
	Construction materials, supplies and intermediate products	17,014	16,606	17,284	+2.5	-3.9	+1.9	17,565	16,489	18,790	16,571	+6.0	136,404	126,558
	Other materials, supplies, and intermediate products	91,894	89,535	90,009	+2.6	-0.5	+1.1	89,282	83,994	93,053	79,877	+11.8	703,612	636,477
	Supplementary series:[2]													
	Capital goods industries	46,531	43,208	49,287	+7.7	-12.3	+24.0	41,820	38,447	51,896	35,490	+17.8	336,759	296,153
	Nondefense	38,512	36,213	35,458	+6.3	+2.1	+12.5	36,607	32,662	39,017	28,056	+30.5	269,673	227,790
	Excluding aircraft and parts	30,357	28,983	28,099	+4.7	+3.1	-0.1	28,945	25,835	31,387	24,051	+20.3	221,107	192,736
	Defense	8,019	6,995	13,829	+14.6	-49.4	+68.3	5,213	5,785	12,879	7,434	-29.9	67,086	68,363
	Household durable goods industries	6,634	6,258	6,322	+6.0	-1.0	-0.3	6,693	5,525	6,667	6,514	+2.7	52,047	50,780

P Preliminary. r Reviaed.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change
		End of month			Percent change			End of month				
		Aug. 1988P	July 1988r	June 1988	July-Aug.P	June-Julyr	May-June	Aug. 1988P	July 1988r	June 1988	Aug. 1987r	Aug. 88/87P
	All manufacturing industries	451,885	446,536	443,357	+1.2	+0.7	+2.1	449,415	447,616	443,916	407,944	+10.2
	Durable goods industries	431,137	426,152	423,162	+1.2	+0.7	+2.2	428,418	426,544	423,560	387,831	+10.5
32	Stone, clay, and glass products	5,952	5,846	5,727	+1.8	+2.1	+2.3	5,958	5,864	5,825	5,423	+9.9
33	Primary metals	25,374	25,448	25,012	-0.3	+1.7	+0.3	24,752	25,037	24,863	21,042	+17.6
331	Blast furnaces, steel mills	11,422	11,644	11,591	-1.9	+0.5	+0.4	11,079	11,276	11,263	10,481	+5.7
332	Iron and steel foundries	2,178	2,178	2,126	0.0	+2.4	+0.9	2,134	2,189	2,121	1,814	+17.6
333-9	Nonferrous and other primary metals	11,774	11,626	11,295	+1.3	+2.9	0.0	11,539	11,572	11,459	8,747	+31.9
34	Fabricated metal products	28,681	28,911	28,959	-0.8	-0.2	-1.5	28,871	29,145	29,046	29,162	-1.0
35	Machinery, except electrical	58,704	57,538	56,879	+2.0	+1.2	+1.8	59,016	57,452	56,878	51,178	+15.3
351	Engines and turbines	5,089	5,184	5,182	-1.8	0.0	+4.4	5,109	5,079	5,008	5,193	-1.6
353	Construction, mining, and material handling equipment	7,824	7,659	7,624	+2.2	+0.5	+1.7	7,668	7,591	7,497	6,440	+19.1
354	Metalworking machinery	4,155	4,081	3,966	+1.8	+2.9	+11.0	4,363	4,253	3,959	2,983	+46.3
357	Office and computing machines	14,175	13,894	13,820	+2.0	+0.5	-0.4	14,600	14,091	14,119	14,436	+1.1
36	Electrical machinery	93,221	93,303	93,283	-0.1	0.0	-0.3	92,968	93,650	93,877	90,667	+2.5
361,2	Electrical transmission and distribution equipment and industrial apparatus	6,935	6,689	6,582	+3.7	+1.6	-0.4	6,956	6,686	6,565	6,327	+9.9
366	Communication equipment	65,143	65,453	65,530	-0.5	-0.1	-0.7	64,491	65,125	65,761	65,179	-1.1
367	Electronic components	15,570	15,676	15,758	-0.7	-0.5	+0.8	15,726	16,225	16,119	14,022	+12.2
364,9	Other electrical machinery	4,558	4,517	4,521	+0.9	-0.1	+1.4	4,649	4,587	4,524	3,933	+18.2
37	Transportation equipment	198,053	193,995	192,008	+2.1	+1.0	+4.6	195,228	193,437	191,208	169,444	+15.2
372,6	Aircraft, missiles, and parts	162,919	159,569	157,516	+2.1	+1.3	+2.6	160,628	158,322	156,619	139,222	+15.4
3731,95	Shipbuilding and military tank vehicles	24,108	23,547	23,869	+2.4	-1.3	+22.7	23,662	24,245	24,197	19,555	+21.0
38	Instruments and related products	13,901	13,948	13,929	-0.3	+0.1	+0.1	13,955	14,113	13,954	13,385	+4.3
381-4	Scientific and engineering instruments	12,992	13,031	12,956	-0.3	+0.6	0.0	12,992	13,085	12,933	12,232	+6.2
24,25, 39	All other durable goods	7,251	7,163	7,365	+1.2	-2.7	-0.9	7,670	7,846	7,929	7,530	+1.9
	Nondurable goods industries	20,748	20,384	20,195	+1.8	+0.9	+1.5	20,997	21,072	20,356	20,113	+4.4
	Market categories:											
	Home goods and apparel	8,095	8,024	8,287	+0.9	-3.2	+0.6	8,770	8,941	8,903	8,876	-1.2
	Consumer staples	868	835	705	+4.0	+18.4	-0.8	859	823	637	647	+32.8
	Equipment and defense products, except automotive	272,464	269,814	267,218	+1.0	+1.0	+3.1	269,626	268,943	266,895	243,609	+10.7
	Automotive equipment	8,776	8,878	8,882	-1.1	0.0	-1.5	8,688	8,869	8,651	9,392	-7.5
	Construction materials, supplies and intermediate products	15,541	15,435	15,475	+0.7	-0.3	+1.0	15,637	15,589	15,695	14,872	+5.1
	Other materials, supplies, and intermediate products	146,141	143,550	142,790	+1.8	+0.5	+0.8	145,835	144,451	143,135	130,548	+11.7
	Supplementary series:[2]											
	Capital goods industries	329,302	324,263	321,730	+1.6	+0.8	+2.8	326,357	323,351	321,357	292,693	+11.5
	Nondefense	164,859	158,814	154,613	+3.8	+2.7	+2.4	165,169	158,731	154,716	132,901	+24.3
	Excluding aircraft and parts	85,977	84,047	82,894	+2.3	+1.4	+0.4	86,287	83,964	82,997	76,378	+13.0
	Defense	164,443	165,449	167,117	-0.6	-1.0	+3.2	161,188	164,620	166,641	159,792	+.9
	Household durable goods industries	5,778	5,720	5,886	+1.0	-2.8	+0.5	6,212	6,377	6,438	6,420	-3.2

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Aug. 1988p	Seasonally adjusted: End of month: July 1988r	Seasonally adjusted: End of month: June 1988	Seasonally adjusted: Percent change: July-Aug.p	Seasonally adjusted: Percent change: June-Julyr	Seasonally adjusted: Percent change: May-June	Not seasonally adjusted[1]: End of month: Aug. 1988p	Not seasonally adjusted[1]: End of month: July 1988r	Not seasonally adjusted[1]: End of month: June 1988	Not seasonally adjusted[1]: End of month: Aug. 1987r	Percent change: Aug. 88/87p
	All manufacturing industries	345,555	343,788	341,963	+0.5	+0.5	+0.6	346,818	344,304	342,678	323,648	+7.2
	Manufacturing industries with unfilled orders	238,698	237,220	235,862	+0.6	+0.6	+0.4	240,595	239,098	237,605	223,401	+7.7
	Durable goods industries	226,385	225,467	224,000	+0.4	+0.7	+0.5	227,460	226,096	225,046	211,682	+7.5
	With unfilled orders	208,632	207,446	206,442	+0.6	+0.5	+0.4	210,160	208,804	207,760	195,464	+7.5
32	Stone, clay, and glass products	7,295	7,276	7,198	+0.3	+1.1	-1.4	7,281	7,368	7,318	7,158	+1.7
33	Primary metals	19,192	18,958	18,730	+1.2	+1.2	-0.9	19,233	19,055	18,809	17,138	+12.2
331	Blast furnaces, steel mills	9,338	9,206	9,029	+1.4	+2.0	-0.4	9,431	9,313	9,087	8,051	+17.1
332	Iron and steel foundries	1,300	1,231	1,238	+5.6	-0.6	-0.7	1,248	1,219	1,254	1,185	+5.3
333-9	Nonferrous and other primary metals	8,554	8,521	8,463	+0.4	+0.7	-1.4	8,554	8,523	8,468	7,902	+8.3
34	Fabricated metal products	23,232	22,928	22,831	+1.3	+0.4	-1.2	23,140	22,906	23,173	21,917	+5.6
35	Machinery, except electrical	45,046	44,391	43,942	+1.5	+1.0	+1.0	45,261	44,509	43,992	41,530	+9.0
351	Engines and turbines	2,927	2,889	2,888	+1.3	0.0	+3.0	3,001	2,951	2,917	2,686	+11.7
353	Construction, mining, and material handling equipment	7,221	7,178	7,075	+0.6	+1.5	+0.9	7,221	7,081	7,028	6,651	+8.6
354	Metalworking machinery	3,076	2,803	2,777	+9.7	+0.9	+1.8	3,107	2,830	2,778	2,733	+13.7
357	Office and computing machines	11,602	11,527	11,296	+0.7	+2.0	+1.9	11,834	11,674	11,333	10,653	+11.1
36	Electrical machinery	39,826	39,358	39,495	+1.2	-0.3	+0.1	40,246	39,879	40,118	39,000	+3.2
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,040	5,004	5,014	+0.7	-0.2	-0.2	5,074	5,038	5,069	4,966	+2.2
363	Household appliances	2,832	2,775	2,790	+2.1	-0.5	-1.8	2,747	2,808	2,943	2,551	+7.7
365	Radio and TV	1,377	1,407	1,326	-2.1	+6.1	+0.2	1,473	1,513	1,401	1,634	-9.9
366	Communication equipment	16,151	15,853	16,214	+1.9	-2.2	+0.1	16,382	16,039	16,279	16,409	-.2
367	Electronic components	8,411	8,292	8,140	+1.4	+1.9	+1.1	8,495	8,356	8,247	7,558	+12.4
364,9	Other electrical machinery	6,015	6,027	6,011	-0.2	+0.3	+0.3	6,075	6,125	6,179	5,882	+3.3
37	Transportation equipment	60,474	61,206	60,932	-1.2	+0.4	+1.6	60,965	60,971	60,578	55,279	+10.3
371	Motor vehicles and parts	11,646	11,548	11,574	+0.8	-0.2	+1.4	11,576	11,031	11,106	10,923	+6.0
372,6	Aircraft, missiles, and parts	44,628	45,434	45,297	-1.8	+0.3	+1.6	45,239	45,787	45,448	40,540	+11.6
3731,95	Shipbuilding and military tank vehicles	2,171	2,102	2,052	+3.3	+2.4	-0.4	2,172	2,136	2,040	1,956	+11.0
38	Instruments and related products	13,454	13,275	13,127	+1.3	+1.1	+0.1	13,567	13,382	13,292	12,662	+7.1
381-4	Scientific and engineering instruments	9,883	9,768	9,694	+1.2	+0.8	-0.2	9,883	9,796	9,765	9,209	+7.3
386	Photographic goods	2,978	2,932	2,859	+1.6	+2.6	+1.6	3,067	2,987	2,925	2,753	+11.4
24,25, 39	All other durable goods	17,866	18,075	17,745	-1.2	+1.9	+0.8	17,767	18,026	17,766	16,998	+4.5
	Nondurable goods industries	119,170	118,321	117,963	+0.7	+0.3	+0.7	119,358	118,208	117,632	111,966	+6.6
	With unfilled orders	30,066	29,774	29,420	+1.0	+1.2	0.0	30,435	30,294	29,845	27,937	+8.9
20	Food and kindred products	25,711	25,548	25,666	+0.6	-0.5	+2.1	25,823	24,728	24,487	24,321	+6.2
202	Dairy products	2,273	2,275	2,219	-0.1	+2.5	-0.9	2,296	2,305	2,239	2,215	+3.7
208	Beverages	4,421	4,396	4,354	+0.6	+1.0	-1.2	4,333	4,338	4,361	4,429	-2.2
203-6,9	All other foods	14,717	14,616	14,646	+0.7	-0.2	+2.2	15,159	14,037	13,525	14,577	+4.0
21	Tobacco products	5,834	5,784	5,703	+0.9	+1.4	+1.6	5,426	5,286	5,333	5,465	-.7
22	Textile mill products	7,737	7,742	7,571	-0.1	+2.3	-0.2	7,731	7,850	7,698	7,519	+2.8
221-4,6, 8,9	Broadwoven fabrics	4,525	4,518	4,449	+0.2	+1.6	-0.3	4,480	4,563	4,474	4,440	+.9
26	Paper and allied products	11,601	11,530	11,436	+0.6	+0.8	+0.4	11,519	11,545	11,588	10,865	+6.0
261-3,6	Pulp, paper etc.	4,128	4,038	3,978	+2.2	+1.5	+0.5	4,046	4,027	4,012	3,760	+7.6
265	Paperboard containers	3,217	3,233	3,196	-0.5	+1.2	-0.7	3,217	3,217	3,195	2,913	+10.4
264	All other paper products	4,256	4,259	4,262	-0.1	-0.1	+1.1	4,256	4,301	4,381	4,192	+1.5
28	Chemicals and allied products	26,513	26,154	25,954	+1.4	+0.8	+0.8	26,518	26,358	26,005	24,102	+10.0
281,6	Industrial chemicals, except pigments	6,846	6,830	6,721	+0.2	+1.6	+0.9	6,914	6,893	6,755	6,351	+8.9
283,4	Drugs, soaps, and toiletries	9,503	9,348	9,241	+1.7	+1.2	+1.4	9,598	9,506	9,429	8,553	+12.2
282,9	Other chemical products	6,612	6,481	6,460	+2.0	+0.3	+1.2	6,546	6,553	6,449	5,853	+11.8
29	Petroleum and coal products	9,569	9,839	10,024	-2.7	-1.8	-1.3	9,569	9,817	9,946	10,290	-7.0
30	Rubber and plastics products	9,825	9,688	9,528	+1.4	+1.7	+1.5	9,803	9,708	9,631	8,905	+10.1
23,27, 31	All other nondurable goods	22,380	22,036	22,081	+1.6	-0.2	-0.2	22,969	22,916	22,944	20,499	+12.0
	Market categories:											
	Home goods and apparel	26,732	26,544	26,463	+0.7	+0.3	-0.9	27,068	27,427	27,602	25,882	+4.6
	Consumer staples	44,193	43,793	43,510	+0.9	+0.7	+1.2	44,326	42,975	42,261	41,833	+6.0
	Equipment and defense products, except automotive	101,013	100,716	100,817	+0.3	-0.1	+1.2	101,538	101,109	100,975	94,229	+7.8
	Automotive equipment	14,427	14,414	14,309	+0.1	+0.7	+1.7	14,288	13,765	13,841	13,498	+5.9
	Construction materials, supplies and intermediate products	25,079	25,202	24,762	-0.5	+1.8	-0.4	24,862	25,079	25,035	23,397	+6.3
	Other materials, supplies, and intermediate products	134,111	133,119	132,102	+0.7	+0.8	+0.2	134,736	133,949	132,964	124,809	+8.0
	Supplementary series:[2]											
	Capital goods industries	116,424	116,243	116,012	+0.2	+0.2	+1.0	117,620	117,188	116,649	108,950	+8.0
	Nondefense	82,358	81,444	80,684	+1.1	+0.9	+0.7	83,100	81,813	81,003	76,009	+9.3
	Excluding aircraft and parts	62,124	61,357	60,925	+1.3	+0.7	+0.9	62,585	61,847	61,390	58,460	+7.1
	Defense	34,066	34,799	35,328	-2.1	-1.5	+1.8	34,520	35,375	35,646	32,941	+4.8
	Household durable goods industries	12,686	12,653	12,609	+0.3	+0.3	-0.3	12,860	13,020	12,976	12,853	+.1

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Aug. 1988[p]	Seasonally adjusted: End of month: July 1988[r]	Seasonally adjusted: End of month: June 1988	Seasonally adjusted: Percent change: July-Aug.[p]	Seasonally adjusted: Percent change: June-July[r]	Seasonally adjusted: Percent change: May-June	Not seasonally adjusted[1]: End of month: Aug. 1988[p]	Not seasonally adjusted[1]: End of month: July 1988[r]	Not seasonally adjusted[1]: End of month: June 1988	Not seasonally adjusted[1]: End of month: Aug. 1987[r]	Percent change: Aug. 88/87[p]
	MATERIALS AND SUPPLIES											
	All manufacturing industries	111,655	110,488	109,777	+1.1	+0.6	+0.8	111,618	110,507	109,634	102,894	+8.5
	Durable goods industries	64,935	64,138	63,522	+1.2	+1.0	+0.7	65,305	64,304	63,422	60,287	+8.3
32	Stone, clay, and glass products	2,399	2,406	2,392	-0.3	+0.6	-0.5	2,425	2,454	2,394	2,303	+5.3
33	Primary metals	6,133	6,073	6,007	+1.0	+1.1	+0.4	6,143	6,060	5,915	5,320	+15.5
34	Fabricated metal products	8,548	8,370	8,351	+2.1	+0.2	-0.1	8,604	8,442	8,413	7,728	+11.3
35	Machinery, except electrical	12,705	12,521	12,273	+1.5	+2.0	+0.1	12,828	12,625	12,258	11,515	+11.4
36	Electrical machinery	10,704	10,484	10,480	+2.1	0.0	-0.2	10,821	10,728	10,585	10,424	+3.8
37	Transportation equipment	13,001	12,745	12,720	+2.0	+0.2	+2.6	13,010	12,464	12,689	12,256	+6.2
38	Instruments and related products	4,508	4,405	4,378	+2.3	+0.6	+2.3	4,575	4,473	4,424	4,178	+9.5
24,25, 39	All other durable goods	6,937	7,134	6,921	-2.8	+3.1	+0.1	6,899	7,058	6,744	6,563	+5.1
	Nondurable goods industries	46,720	46,350	46,255	+0.8	+0.2	+1.0	46,313	46,203	46,212	42,607	+8.7
20	Food and kindred products	9,207	9,028	9,290	+2.0	-2.8	+1.4	8,847	8,736	9,126	8,140	+8.7
21	Tobacco products	4,400	4,416	4,354	-0.4	+1.4	+0.5	4,108	4,072	4,154	4,456	-7.8
22	Textile mill products	2,355	2,361	2,291	-0.3	+3.1	-0.7	2,350	2,411	2,332	2,167	+8.4
26	Paper and allied products	6,428	6,331	6,286	+1.5	+0.7	+1.3	6,369	6,320	6,332	5,664	+12.4
28	Chemicals and allied products	9,441	9,292	9,334	+1.6	-0.4	+2.8	9,555	9,511	9,403	8,507	+12.3
29	Petroleum and coal products	2,363	2,428	2,489	-2.7	-2.5	+0.5	2,329	2,368	2,505	2,464	-5.5
30	Rubber and plastics products	3,932	3,898	3,777	+0.9	+3.2	+1.9	3,908	3,910	3,819	3,361	+16.3
23,27, 31	All other nondurable goods	8,594	8,596	8,434	0.0	+1.9	-1.1	8,847	8,875	8,541	7,848	+12.7
	WORK IN PROCESS											
	All manufacturing industries	123,178	123,475	123,162	-0.2	+0.3	+0.3	124,207	123,737	123,059	115,897	+7.2
	Durable goods industries	103,847	104,257	104,112	-0.4	+0.1	+0.4	104,884	104,508	104,077	97,431	+7.6
32	Stone, clay, and glass products	1,117	1,118	1,131	-0.1	-1.1	-2.8	1,123	1,129	1,140	1,026	+9.5
33	Primary metals	7,725	7,615	7,577	+1.4	+0.5	-0.4	7,806	7,673	7,621	6,792	+14.9
34	Fabricated metal products	8,166	7,998	7,941	+2.1	+0.7	-3.2	8,113	7,979	8,048	7,657	+6.0
35	Machinery, except electrical	17,718	17,607	17,725	+0.6	-0.7	+0.9	17,873	17,488	17,668	17,122	+4.4
36	Electrical machinery	19,718	19,618	19,689	+0.5	-0.4	+0.2	20,012	19,762	19,826	19,763	+1.3
37	Transportation equipment	40,543	41,484	41,199	-2.3	+0.7	+1.3	41,062	41,649	40,851	36,629	+12.1
38	Instruments and related products	5,280	5,265	5,128	+0.3	+2.7	-1.9	5,294	5,277	5,202	4,892	+8.2
24,25, 39	All other durable goods	3,580	3,552	3,722	+0.8	-4.6	+3.1	3,601	3,551	3,721	3,550	+1.4
	Nondurable goods industries	19,331	19,218	19,050	+0.6	+0.9	-0.1	19,323	19,229	18,982	18,466	+4.6
20	Food and kindred products	2,683	2,690	2,643	-0.3	+1.8	+2.7	2,661	2,638	2,583	2,614	+1.8
21	Tobacco products	268	252	250	+6.3	+0.8	+0.8	211	179	187	85	+148.2
22	Textile mill products	2,356	2,379	2,335	-1.0	+1.9	+1.4	2,310	2,370	2,321	2,263	+2.1
26	Paper and allied products	1,294	1,301	1,261	-0.5	+3.2	-0.6	1,318	1,318	1,264	1,281	+2.9
28	Chemicals and allied products	4,193	4,147	4,043	+1.1	+2.6	-2.9	4,252	4,228	4,122	3,880	+9.6
29	Petroleum and coal products	2,481	2,530	2,507	-1.9	+0.9	-0.4	2,488	2,551	2,496	2,635	-5.6
30	Rubber and plastics products	1,432	1,400	1,408	+2.3	-0.6	-0.4	1,452	1,389	1,374	1,299	+11.8
23,27, 31	All other nondurable goods	4,624	4,519	4,603	+2.3	-1.8	+0.3	4,631	4,556	4,635	4,409	+5.0
	FINISHED GOODS											
	All manufacturing industries	110,722	109,825	109,024	+0.8	+0.7	+0.6	110,993	110,060	109,985	104,857	+5.9
	Durable goods industries	57,603	57,072	56,366	+0.9	+1.3	+0.4	57,271	57,284	57,547	53,964	+6.1
32	Stone, clay, and glass products	3,779	3,752	3,675	+0.7	+2.1	-1.5	3,733	3,785	3,784	3,829	-2.5
33	Primary metals	5,334	5,270	5,146	+1.2	+2.4	-3.0	5,284	5,322	5,273	5,026	+5.1
34	Fabricated metal products	6,518	6,560	6,539	-0.6	+0.3	-0.2	6,423	6,485	6,712	6,532	-1.7
35	Machinery, except electrical	14,623	14,263	13,944	+2.5	+2.3	+2.0	14,560	14,396	14,066	12,893	+12.9
36	Electrical machinery	9,404	9,256	9,326	+1.6	-0.8	+0.3	9,413	9,389	9,707	8,813	+6.8
37	Transportation equipment	6,930	6,977	7,013	-0.7	-0.5	+1.2	6,893	6,858	7,038	6,394	+7.8
38	Instruments and related products	3,666	3,605	3,621	+1.7	-0.4	+0.6	3,698	3,632	3,666	3,592	+3.0
24,25, 39	All other durable goods	7,349	7,389	7,102	-0.5	+4.0	+0.3	7,267	7,417	7,301	6,885	+5.5
	Nondurable goods industries	53,119	52,753	52,658	+0.7	+0.2	+0.8	53,722	52,776	52,438	50,893	+5.6
20	Food and kindred products	13,821	13,830	13,733	-0.1	+0.7	+2.4	14,315	13,354	12,778	13,567	+5.5
21	Tobacco products	1,166	1,116	1,099	+4.5	+1.5	+6.4	1,107	1,035	992	924	+19.8
22	Textile mill products	3,026	3,002	2,945	+0.8	+1.9	-1.1	3,071	3,069	3,045	3,089	-.6
26	Paper and allied products	3,879	3,898	3,889	-0.5	+0.2	-0.6	3,832	3,907	3,992	3,920	-2.2
28	Chemicals and allied products	12,879	12,715	12,577	+1.3	+1.1	+0.6	12,711	12,619	12,480	11,715	+8.5
29	Petroleum and coal products	4,725	4,881	5,028	-3.2	-2.9	-2.6	4,752	4,898	4,945	5,191	-8.5
30	Rubber and plastics products	4,461	4,390	4,343	+1.6	+1.1	+1.9	4,443	4,409	4,438	4,245	+4.7
23,27, 31	All other nondurable goods	9,162	8,921	9,044	+2.7	-1.4	+0.5	9,491	9,485	9,768	8,242	+15.2

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Aug. 1988[p]	July 1988[r]	June 1988	May 1988	Aug. 1988[p]	July 1988[r]	June 1988	May 1988
	All manufacturing industries	1.56	1.59	1.56	1.58	3.68	3.73	3.67	3.64
	Durable goods industries	1.92	1.99	1.92	1.94	4.46	4.55	4.44	4.42
32	Stone, clay, and glass products	1.34	1.42	1.36	1.37	1.19	1.24	1.17	1.14
33	Primary metals	1.60	1.62	1.54	1.63	2.12	2.18	2.05	2.15
34	Fabricated metal products	1.96	1.99	1.84	1.91	2.67	2.79	2.60	2.68
35	Machinery, except electrical	2.09	2.14	2.09	2.14	2.86	2.92	2.85	2.90
36	Electrical machinery	2.09	2.07	2.11	2.09	4.88	4.91	4.98	4.95
37	Transportation equipment	1.97	2.25	2.08	2.06	11.32	12.12	11.80	11.33
38	Instruments and related products	2.19	2.11	2.16	2.20	2.26	2.22	2.29	2.34
	Nondurable goods industries	1.15	1.14	1.15	1.16	0.79	0.79	0.79	0.77
20	Food and kindred products	0.84	0.84	0.85	0.86	(X)	(X)	(X)	(X)
21	Tobacco products	3.19	3.48	3.46	2.68	(X)	(X)	(X)	(X)
22	Textile mill products	1.64	1.57	1.51	1.55	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.10	1.10	1.11	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.32	1.28	1.30	1.31	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.90	0.91	0.94	0.96	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.25	1.30	1.27	1.25	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Aug. 1987	All Augs. 1983-1987	Aug. 1987-July 1988	Year ago Aug. 1987	All Augs. 1983-1987	Aug. 1987-July 1988	Year ago Aug. 1987	All Augs. 1983-1987	Aug. 1987-July 1988	Year ago Aug. 1987	All Augs. 1983-1987	Aug. 1987-July 1988
	All manufacturing industries	0.1	0.2	0.2	0.2	0.4	0.3	0.0	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.0	0.1	0.2	0.1	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.1
32	Stone, clay, and glass products	1.5	1.5	0.8	1.0	1.6	0.6	1.0	0.7	0.6	0.4	0.4	0.2
33	Primary metals	0.0	0.3	0.7	0.2	0.6	1.4	0.1	0.4	0.4	0.1	0.1	0.4
34	Fabricated metal products	0.3	0.5	0.4	0.0	0.8	0.8	0.2	0.3	0.4	0.0	0.1	0.1
35	Machinery, except electrical	0.2	0.3	0.8	0.1	0.5	1.1	0.1	0.1	0.3	0.1	0.1	0.2
36	Electrical machinery	0.4	0.2	0.5	0.3	0.9	0.8	0.0	0.2	0.1	0.0	0.0	0.2
37	Transportation equipment	0.0	0.3	0.2	0.2	1.1	0.4	0.1	0.2	0.1	0.1	0.3	0.1
38	Instruments and related products	0.1	0.9	0.8	0.2	1.0	1.0	0.1	0.2	0.3	0.2	0.2	0.2
	Nondurable goods industries	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.6	0.2	0.1	0.1
20	Food and kindred products	0.3	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.3
21	Tobacco products	0.0	0.0	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
22	Textile mill products	1.4	0.7	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.2	0.5
26	Paper and allied products	0.3	0.4	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.1	0.1
28	Chemicals and allied product	0.5	0.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.2
29	Petroleum and coal products	1.5	0.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.5
30	Rubber and plastics products	1.1	1.0	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.3
	Capital goods industries:												
	Noodefense	0.5	0.3	0.6	0.2	0.3	0.8	0.2	0.1	0.1	0.0	0.0	0.1
	Defense	0.1	0.8	0.6	0.0	2.7	1.5	0.0	0.1	0.1	0.0	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

CURRENT INDUSTRIAL REPORTS

C 3.158:
M3-1-(88)-9

Manufacturers' Shipments, Inventories, and Orders

September 1988

M3-1-(88)-9

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E.S.T. Wednesday, November 2, 1988

GOVERNMENT DOCUMENTS

NOV 30 1988

BOSTON PUBLIC LIBRARY

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in September declined $4.4 billion or 1.9 percent from August to $222.6 billion. Most of the decline was in the durable goods sector, down $3.9 billion or 3.2 percent. Orders for durables had earlier been reported down 4.1 percent. Orders for nondurables were down 0.5 percent.

Shipments of manufactured goods in September were down slightly, decreasing $0.3 billion or 0.1 percent to $221.4 billion. Shipments for durables goods were unchanged from August at $117.8 billion, revising the earlier reported 0.8 percent decline. Shipments of nondurables were down 0.3 percent.

Manufacturers' unfilled orders in September increased $1.2 billion or 0.3 percent to $453.0 billion. Virtually all of the increase was in durables.

Manufacturers' inventories in September increased $2.1 billion or 0.6 percent to $347.9 billion. Although inventories have shown a relatively strong upward trend since April 1987, the inventory to shipments ratio has been edging down. In April 1987 the ratio was 1.63; the ratio for September this year was 1.57.

New Orders

Most of the $3.9 billion decline in new orders for durable goods was in transportation equipment, down $3.4 billion or 9.8 percent to $31.3 billion. The decline resulted mostly from decreases in aircraft and parts, down $1.4 billion and shipbuilding and tanks, also down $1.4 billion. Nonelectrical machinery was down $1.2 billion or 5.3 percent to $21.6 billion; most of the decline was in office and computing equipment down $1.0 billion or 15.6 percent to $5.3 billion. The largest increases in orders were in primary metals, up $0.7 billion or 6.1 percent to $12.5 billion and fabricated metals, up $0.4 billion or 3.6 percent to $12.1 billion.

The pattern of change in nondurable goods orders was mixed, with the largest declines in chemicals and petroleum products and the largest increases in tobacco and textiles.

Shipments

Although total durable goods shipments in September showed little change from August, transportation equipment declined $0.8 billion or 2.6 percent to $29.9 billion. Nonelectrical machinery also declined, down $0.2 billion or 0.9 percent to $21.3 billion. Most of the other major industries had increases for the month.

Shipments of nondurables showed a similar pattern. Declines in chemicals of $0.6 billion or 2.7 percent and petroleum products of $0.3 billion or 2.6 percent were nearly offset by increases in most of the other categories.

Unfilled Orders

The increase in manufacturers' unfilled orders of $1.2 billion was virtually all in durables. Transportation equipment increased $1.4 billion or 0.7 percent to $199.4 billion. Aircraft and parts increased $2.1 billion or 1.3 percent to $165.1 billion; the order backlog for this industry has increased nearly 10 percent over the last six months.

The largest decline in unfilled orders in September was in electrical machinery, down $0.8 billion or 0.9 percent to $92.4 billion; most of the decline was in defense communication equipment.

Inventories

The increase of $2.1 billion in inventories was mostly for durable goods, up $1.8 billion or 0.8 percent to $228.4 billion. Nonelectrical machinery was up $0.8 billion or 1.8 percent. Nondurable inventories were up $0.3 billion or 0.3 percent, with the largest increase in rubber and plastics.

Inventories by stage of fabrication showed increases in materials and supplies of 0.6 percent and finished goods of 1.0 percent, with both the durable and nondurable sectors increasing. Work in process inventories increased 0.2 percent, with an increase in durables more than offsetting a decline in nondurables.

SCHEDULED RELEASE DATES. The advance report on durable goods for October is scheduled for November 23, 1988 at 8:30 a.m. and the full report on December 2, 1988 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Sept. 1988p	Aug. 1988r	July 1988	Aug.-Sept.p	July-Aug.r	June-July	Sept. 1988p	Aug. 1988r	July 1988	Sept. 1987	Sept. 88/87	1988p	1987
	All manufacturing industries	221,405	221,715	216,698	-0.1	+2.3	-1.0	234,533	217,031	199,670	215,590	+8.8	1,933,326	1,772,383
	Manufacturing industries with unfilled orders	123,774	122,913	119,557	+0.7	+2.8	-1.1	131,894	119,743	108,677	120,046	+9.9	1,068,041	970,148
	Durable goods industries	117,828	117,866	113,122	0.0	+4.2	-2.9	124,836	112,493	101,393	114,346	+9.2	1,024,265	934,967
	With unfilled orders	97,445	96,678	93,594	+0.8	+3.3	-1.7	104,080	93,099	84,419	94,483	+10.2	837,733	757,879
32	Stone, clay, and glass products	5,411	5,435	5,115	-0.4	+6.3	-3.6	5,864	5,653	4,999	5,629	+4.2	47,989	46,163
33	Primary metals	12,273	11,990	11,667	+2.4	+2.8	-4.4	12,561	11,930	10,728	10,517	+19.4	105,425	84,923
331	Blast furnaces, steel mills	5,172	5,091	5,032	+1.6	+1.2	-2.5	5,172	4,978	4,641	4,520	+14.4	45,961	36,692
332	Iron and steel foundries	951	883	810	+7.7	+9.0	-6.4	932	892	715	801	+16.4	7,716	7,204
333-9	Nonferrous and other primary metals	6,150	6,016	5,825	+2.2	+3.3	-5.7	6,457	6,060	5,372	5,196	+24.3	51,748	41,027
34	Fabricated metal products	12,102	11,870	11,519	+2.0	+3.0	-7.1	12,755	11,845	10,832	11,617	+9.8	107,421	102,161
35	Machinery, except electrical	21,288	21,488	20,749	-0.9	+3.6	-1.2	23,108	19,565	18,553	20,402	+13.3	182,498	159,286
351	Engines and turbines	1,431	1,483	1,286	-3.5	+15.3	+0.8	1,476	1,362	1,117	1,300	+13.5	11,697	10,397
353	Construction, mining, and material handling equipment	2,552	2,569	2,605	-0.7	-1.4	+4.2	2,552	2,310	2,727	2,359	+8.2	22,555	18,835
354	Metalworking machinery	951	1,034	990	-8.0	+4.4	+8.0	1,056	897	817	939	+12.5	8,185	6,899
357	Office and computing machines	5,799	5,850	5,779	-0.9	+1.2	-2.0	7,365	5,227	4,533	6,687	+10.1	49,357	44,163
36	Electrical machinery	19,302	19,131	19,019	+0.9	+0.6	+1.5	21,109	18,845	16,961	19,690	+7.2	167,416	154,790
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,319	2,292	2,296	+1.2	-0.2	+2.0	2,560	2,231	2,021	2,462	+4.0	20,327	19,279
363	Household appliances	1,552	1,564	1,482	-0.8	+5.5	+0.3	1,723	1,635	1,458	1,610	+7.0	13,786	13,701
365	Radio and TV	1,065	1,060	895	+0.5	+18.4	+5.3	1,342	1,066	773	1,260	+6.5	8,298	8,362
366	Communication equipment	6,257	6,114	6,296	+2.3	-2.9	0.0	6,802	5,934	5,416	6,568	+3.6	54,418	51,711
367	Electronic components	4,748	4,654	4,772	+2.0	-2.5	+3.4	4,985	4,632	4,420	4,264	+16.9	41,014	34,620
364,9	Other electrical machinery	3,361	3,447	3,278	-2.5	+5.2	+0.9	3,697	3,347	2,873	3,526	+4.8	29,573	27,117
37	Transportation equipment	29,882	30,683	27,252	-2.6	+12.6	-6.9	30,573	27,100	22,550	28,173	+8.5	256,021	239,716
371	Motor vehicles and parts	18,622	19,349	16,380	-3.8	+18.1	-10.8	19,141	16,616	12,605	16,713	+14.5	159,825	147,558
372,6	Aircraft, missiles, and parts	9,063	9,257	8,934	-2.1	+3.6	+1.8	9,262	8,454	8,083	9,468	-2.2	77,652	75,426
3731,95	Shipbuilding and military tank vehicles	933	799	833	+16.8	-4.1	+1.1	941	805	799	845	+11.4	7,561	7,377
38	Instruments and related products	6,114	6,048	6,293	+1.1	-3.9	+3.6	6,512	5,900	5,895	6,144	+6.0	53,849	49,469
381-4	Scientific and engineering instruments	4,158	4,122	4,280	+0.9	-3.7	+5.4	4,366	4,090	3,956	4,107	+6.3	36,556	33,200
386	Photographic goods	1,796	1,773	1,849	+1.3	-4.1	+0.1	1,976	1,660	1,782	1,826	+8.2	15,716	14,518
24,25, 39	All other durable goods	11,456	11,221	11,508	+2.1	-2.5	-0.2	12,354	11,655	10,875	12,174	+1.5	103,646	98,459
	Nondurable goods industries	103,577	103,849	103,576	-0.3	+0.3	+1.2	109,697	104,538	98,277	101,244	+8.3	909,061	837,416
	With unfilled orders	26,329	26,235	25,963	+0.4	+1.0	+1.0	27,814	26,644	24,258	25,563	+8.8	230,308	212,269
20	Food and kindred products	30,376	30,265	30,484	+0.4	-0.7	+1.4	32,558	29,913	29,479	29,193	+11.5	264,267	241,496
202	Dairy products	4,190	4,130	4,067	+1.5	+1.5	-0.7	4,274	4,146	4,115	4,048	+5.6	36,528	35,311
208	Beverages	4,002	4,024	4,000	-0.5	+0.6	+0.1	4,082	4,308	4,278	3,773	+8.2	36,281	34,282
203-6,9	All other foods	14,195	14,173	14,199	+0.2	-0.2	+2.5	15,898	13,351	12,869	13,442	+18.3	120,906	104,392
21	Tobacco products	2,028	1,846	1,663	+9.9	+11.0	+1.0	2,353	1,771	1,275	2,092	+12.5	15,836	14,224
22	Textile mill products	5,053	4,956	4,919	+2.0	+0.8	-1.6	5,603	5,186	4,256	5,343	+4.9	44,196	42,996
221-4,6, 8,9	Broadwoven fabrics	3,053	3,050	2,995	+0.1	+1.8	-1.5	3,419	3,126	2,472	3,373	+1.4	27,188	26,622
26	Paper and allied products	10,670	10,575	10,485	+0.9	+0.9	+1.2	10,939	10,639	10,076	9,670	+13.1	92,716	81,742
261-3,6	Pulp, paper etc.	4,699	4,709	4,703	-0.2	+0.1	+3.4	4,703	4,702	4,519	4,017	+17.1	41,033	34,622
265	Paperboard containers	2,692	2,643	2,564	+1.9	+3.1	-1.2	2,800	2,705	2,451	2,414	+16.0	22,818	19,932
264	All other paper products	3,279	3,223	3,218	+1.7	+0.2	+0.1	3,436	3,232	3,106	3,239	+6.1	28,865	27,188
28	Chemicals and allied products	20,123	20,680	20,478	-2.7	+1.0	+2.9	21,091	20,342	18,748	19,064	+10.6	179,746	159,272
281,6	Industrial chemicals, except pigments	5,726	5,750	5,961	-0.4	-3.5	+7.9	5,841	5,647	5,677	5,105	+14.4	50,135	44,464
283,4	Drugs, soaps, and toiletries	5,941	6,506	5,846	-8.7	+11.3	-0.8	7,010	6,578	5,194	6,750	+3.9	54,455	50,308
282,9	Other chemical products	5,435	5,454	5,453	-0.3	0.0	-0.9	5,544	5,454	5,131	5,115	+8.4	48,284	43,302
29	Petroleum and coal products	10,277	10,546	10,787	-2.6	-2.2	+0.7	10,385	10,966	10,977	10,952	-5.2	93,325	92,604
30	Rubber and plastics products	7,853	7,894	7,468	-0.5	+5.7	-0.1	8,132	7,707	6,935	7,003	+16.1	67,485	59,914
23,27, 31	All other nondurable goods	17,197	17,087	17,292	+0.6	-1.2	+0.4	18,636	18,014	16,531	17,927	+4.0	151,490	145,168
	Market categories:													
	Home goods and apparel	14,182	14,073	14,270	+0.8	-1.4	-0.2	16,139	15,319	13,233	15,925	+1.3	126,881	123,753
	Consumer staples	42,497	42,823	41,765	-0.8	+2.5	+0.5	46,246	42,492	39,540	42,181	+9.6	370,421	341,845
	Equipment and defense products, except automotive	37,018	36,507	36,557	+1.4	-0.1	+0.7	39,972	34,408	32,778	36,508	+9.5	318,505	286,582
	Automotive equipment	21,137	21,888	18,685	-3.4	+17.1	-10.1	21,752	19,179	14,846	19,019	+14.4	181,476	167,336
	Construction materials, supplies and intermediate products	17,059	16,963	16,646	+0.6	+1.9	-2.8	18,326	17,558	16,595	17,436	+5.1	153,729	143,917
	Other materials, supplies, and intermediate products	89,512	89,461	88,775	+0.1	+0.8	-0.1	92,098	88,075	82,678	84,521	+9.0	782,314	708,950
	Supplementary series:2													
	Capital goods industries	41,343	41,449	40,675	-0.3	+1.9	+0.3	44,584	38,777	36,453	41,878	+6.5	355,931	325,689
	Nondefense	32,517	32,414	32,012	+0.3	+1.3	+0.6	35,566	30,167	28,647	32,177	+10.5	278,928	245,638
	Excluding aircraft and parts	28,290	28,346	27,830	-0.2	+1.9	+0.3	31,195	26,615	24,868	28,272	+10.3	243,720	216,140
	Defense	8,826	9,035	8,663	-2.3	+4.3	-0.7	9,018	8,610	7,806	9,701	-7.0	77,003	80,051
	Household durable goods industries	6,529	6,571	6,424	-0.6	+2.3	+2.1	7,612	6,867	5,586	7,343	+3.7	58,403	56,425

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change Sept. 88/87	Year to date	
		Sept. 1988[p]	Aug. 1988[r]	July 1988	Aug.-Sept.[p]	July-Aug.[r]	June-July	Sept. 1988[p]	Aug. 1988[r]	July 1988	Sept. 1987		1988[p]	1987
	All manufacturing industries	222,619	227,009	219,877	-1.9	+3.2	-3.6	235,095	218,860	203,370	215,731	+9.0	1,967,335	1,798,022
	Manufacturing industries with unfilled orders	124,988	128,207	122,736	-2.5	+4.5	-5.7	132,456	121,572	112,377	120,187	+10.2	1,102,050	995,787
	Durable goods industries	118,888	122,806	116,112	-3.2	+5.8	-7.4	125,467	114,410	104,377	114,455	+9.6	1,056,794	956,088
	With unfilled orders	98,505	101,618	96,584	-3.1	+5.2	-7.2	104,711	95,016	87,403	94,592	+10.7	870,262	779,000
32	Stone, clay, and glass products	5,389	5,520	5,234	-2.4	+5.5	-3.7	5,767	5,740	5,038	5,595	+3.1	48,766	46,485
33	Primary metals	12,508	11,794	12,103	+6.1	-2.6	-1.4	12,267	11,606	10,922	10,867	+12.9	106,666	88,635
331	Blast furnaces, steel mills	5,412	4,788	5,085	+13.0	-5.8	-2.4	5,066	4,694	4,654	4,430	+14.4	45,422	38,570
332	Iron and steel foundries	966	909	862	+6.3	+5.5	-2.4	957	875	783	896	+6.8	7,982	7,314
333-9	Nonferrous and other primary metals	6,130	6,097	6,156	+0.5	-1.0	-0.4	6,244	6,037	5,485	5,541	+12.7	53,262	42,751
34	Fabricated metal products	12,055	11,638	11,471	+3.6	+1.5	-4.1	12,502	11,570	10,931	11,848	+5.5	106,389	103,394
35	Machinery, except electrical	21,631	22,851	21,408	-5.3	+6.7	-2.8	22,993	21,222	19,127	20,485	+12.2	189,501	162,992
351	Engines and turbines	1,598	1,382	1,288	+15.6	+7.3	-13.7	1,653	1,395	1,188	1,418	+16.6	11,664	10,592
353	Construction, mining, and material handling equipment	2,616	2,716	2,640	-3.7	+2.9	+0.4	2,609	2,375	2,821	2,469	+5.7	23,215	19,067
354	Metalworking machinery	1,033	1,135	1,105	-9.0	+2.7	-15.6	1,133	1,044	1,111	973	+16.4	9,926	7,051
357	Office and computing machines	5,257	6,228	5,853	-15.6	+6.4	+0.3	6,478	5,753	4,505	6,335	+2.3	49,571	44,256
36	Electrical machinery	18,470	19,025	19,039	-2.9	-0.1	+3.1	20,822	17,997	16,734	20,591	+1.1	167,787	155,961
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,239	2,535	2,403	-11.7	+5.5	+8.0	2,457	2,500	2,142	2,588	-5.1	20,793	19,586
366	Communication equipment	5,434	5,914	6,219	-8.1	-4.9	+6.9	6,738	5,303	4,780	7,332	-8.1	52,486	51,357
367	Electronic components	4,837	4,430	4,690	+9.2	-5.5	-1.2	4,804	3,974	4,526	4,205	+14.2	42,057	35,610
364,9	Other electrical machinery	3,331	3,493	3,274	-4.6	+6.7	-1.1	3,702	3,424	2,936	3,590	+3.1	30,128	27,366
37	Transportation equipment	31,303	34,707	29,239	-9.8	+18.7	-22.5	32,806	28,986	24,779	26,764	+22.6	278,868	247,601
372,6	Aircraft, missiles, and parts	11,190	12,638	10,987	-11.5	+15.0	-14.4	11,882	10,854	9,786	8,772	+35.5	95,588	81,286
3731,95	Shipbuilding and military tank vehicles	-57	1,356	511	-104.2	+165.4	-90.3	417	224	847	341	+22.3	11,922	8,326
38	Instruments and related products	6,009	5,912	6,312	+1.6	-6.3	+3.6	6,332	5,735	6,054	6,335	0.0	54,119	50,605
381-4	Scientific and engineering instruments	4,010	3,995	4,355	+0.4	-8.3	+7.3	4,138	3,989	4,108	4,194	-1.3	36,752	33,898
24,25, 39	All other durable goods	11,523	11,359	11,306	+1.4	+0.5	-1.4	11,978	11,554	10,792	11,970	+0.1	104,698	100,415
	Nondurable goods industries	103,731	104,203	103,765	-0.5	+0.4	+1.1	109,628	104,450	98,993	101,276	+8.2	910,541	841,934
	With unfilled orders	26,483	26,589	26,152	-0.4	+1.7	+0.6	27,745	26,556	24,974	25,595	+8.4	231,788	216,787
	Market categories:													
	Home goods and apparel	14,365	14,170	14,007	+1.4	+1.2	-2.4	15,839	15,175	13,271	15,660	+1.1	128,300	126,516
	Consumer staples	42,500	42,871	41,895	-0.9	+2.3	+0.9	46,228	42,546	39,726	42,168	+9.6	370,612	341,738
	Equipment and defense products, except automotive	36,115	39,283	39,153	-8.1	+0.3	-11.5	40,171	35,173	34,826	37,133	+8.2	336,220	296,983
	Automotive equipment	21,208	21,725	18,681	-2.4	+16.3	-9.6	21,675	18,997	15,064	18,945	+14.4	180,883	167,925
	Construction materials, supplies and intermediate products	17,003	17,022	16,606	-0.1	+2.5	-3.9	18,072	17,602	16,489	17,198	+5.1	154,513	143,756
	Other materials, supplies, and intermediate products	91,428	91,938	89,535	-0.6	+2.7	-0.5	93,110	89,367	83,994	84,627	+10.0	796,807	721,104
	Supplementary series:[2]													
	Capital goods industries	41,964	46,845	43,208	-10.4	+8.4	-12.3	46,479	41,989	38,447	42,053	+10.5	383,407	338,206
	Nondefense	34,934	38,808	36,213	-10.0	+7.2	+2.1	37,728	36,812	32,662	31,979	+18.0	307,606	259,769
	Excluding aircraft and parts	28,738	30,528	28,983	-5.9	+5.3	+3.1	31,388	29,048	25,835	28,465	+10.3	252,598	221,201
	Defense	7,030	8,037	6,995	-12.5	+14.9	-49.4	8,751	5,177	5,785	10,074	-13.1	75,801	78,437
	Household durable goods industries	6,687	6,668	6,258	+0.3	+6.6	-1.0	7,373	6,756	5,525	7,071	+4.3	59,483	57,851

[p]Preliminary. [r]Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Sept. 1988P	Aug. 1988r	July 1988	Percent change: Aug.-Sept.P	July-Aug.r	June-July	Not seasonally adjusted[1]: End of month: Sept. 1988P	Aug. 1988r	July 1988	Sept. 1987	Percent change: Sept. 88/87P
	All manufacturing industries	453,044	451,830	446,536	+0.3	+1.2	+0.7	450,007	449,445	447,616	408,085	+10.3
	Durable goods industries	432,152	431,092	426,152	+0.2	+1.2	+0.7	429,092	428,461	426,544	387,940	+10.6
32	Stone, clay, and glass products	5,909	5,931	5,846	-0.4	+1.5	+2.1	5,854	5,951	5,864	5,389	+8.6
33	Primary metals	25,487	25,252	25,448	+0.9	-0.8	+1.7	24,419	24,713	25,037	21,392	+14.2
331	Blast furnaces, steel mills	11,581	11,341	11,644	+2.1	-2.6	+0.5	10,886	10,992	11,276	10,391	+4.8
332	Iron and steel foundries	2,219	2,204	2,178	+0.7	+1.2	+2.4	2,197	2,172	2,189	1,909	+15.1
333-9	Nonferrous and other primary metals	11,687	11,707	11,626	-0.2	+0.7	+2.9	11,336	11,549	11,572	9,092	+24.7
34	Fabricated metal products	28,632	28,679	28,911	-0.2	-0.8	-0.2	28,617	28,870	29,145	29,393	-2.6
35	Machinery, except electrical	59,244	58,901	57,538	+0.6	+2.4	+1.2	58,994	59,109	57,452	51,261	+15.1
351	Engines and turbines	5,250	5,083	5,184	+3.3	-1.9	0.0	5,289	5,112	5,079	5,311	-.4
353	Construction, mining, and material handling equipment	7,870	7,806	7,659	+0.8	+1.9	+0.5	7,713	7,656	7,591	6,550	+17.8
354	Metalworking machinery	4,264	4,182	4,081	+2.0	+2.5	+2.9	4,477	4,400	4,253	3,017	+48.4
357	Office and computing machines	13,730	14,272	13,894	-3.8	+2.7	+0.5	13,730	14,617	14,091	14,084	-2.5
36	Electrical machinery	92,365	93,197	93,303	-0.9	-0.1	0.0	92,515	92,802	93,650	91,568	+1.0
361,2	Electrical transmission and distribution equipment and industrial apparatus	6,852	6,932	6,689	-1.2	+3.6	+1.6	6,852	6,955	6,686	6,453	+6.2
366	Communication equipment	64,430	65,253	65,453	-1.3	-0.3	-0.1	64,430	64,494	65,125	65,943	-2.3
367	Electronic components	15,541	15,452	15,676	+0.6	-1.4	-0.5	15,386	15,567	16,225	13,963	+10.2
364,9	Other electrical machinery	4,533	4,563	4,517	-0.7	+1.0	-0.1	4,669	4,664	4,587	3,997	+16.8
37	Transportation equipment	199,440	198,019	193,995	+0.7	+2.1	+1.0	197,556	195,323	193,437	168,035	+17.6
372,6	Aircraft, missiles, and parts	165,077	162,950	159,569	+1.3	+2.1	+1.3	163,342	160,722	158,322	138,526	+17.9
3731,95	Shipbuilding and military tank vehicles	23,113	24,104	23,547	-4.1	+2.4	-1.3	23,140	23,664	24,245	19,051	+21.5
38	Instruments and related products	13,707	13,812	13,948	-0.8	-1.0	+0.1	13,768	13,948	14,113	13,576	+1.4
381-4	Scientific and engineering instruments	12,756	12,904	13,031	-1.1	-1.0	+0.6	12,756	12,984	13,085	12,319	+3.5
24,25, 39	All other durable goods	7,368	7,301	7,163	+0.9	+1.9	-2.7	7,369	7,745	7,846	7,326	+.6
	Nondurable goods industries	20,892	20,738	20,384	+0.7	+1.7	+0.9	20,915	20,984	21,072	20,145	+3.8
	Market categories:											
	Home goods and apparel	8,304	8,121	8,024	+2.3	+1.2	-3.2	8,497	8,797	8,941	8,611	-1.3
	Consumer staples	886	883	835	+0.3	+5.7	+18.4	859	877	823	634	+35.5
	Equipment and defense products, except automotive	271,687	272,590	269,814	-0.3	+1.0	+1.0	269,907	269,708	268,943	244,234	+10.5
	Automotive equipment	8,786	8,715	8,878	+0.8	-1.8	0.0	8,610	8,687	8,869	9,318	-7.6
	Construction materials, supplies and intermediate products	15,438	15,494	15,435	-0.4	+0.4	-0.3	15,379	15,633	15,589	14,634	+5.1
	Other materials, supplies, and intermediate products	147,943	146,027	143,550	+1.3	+1.7	+0.5	146,755	145,743	144,451	130,654	+12.3
	Supplementary series:[2]											
	Capital goods industries	330,280	329,659	324,263	+0.2	+1.7	+0.8	328,458	326,563	323,351	292,868	+12.2
	Nondefense	167,625	165,208	158,814	+1.5	+4.0	+2.7	167,538	165,376	158,731	132,703	+26.3
	Excluding aircraft and parts	86,677	86,229	84,047	+0.5	+2.6	+1.4	86,590	86,397	83,964	76,571	+13.1
	Defense	162,655	164,451	165,449	-1.1	-0.6	-1.0	160,920	161,187	164,620	160,165	+.5
	Household durable goods industries	5,975	5,817	5,720	+2.7	+1.7	-2.8	6,027	6,266	6,377	6,148	-2.0

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Sept. 1988P	Aug. 1988r	July 1988	Percent change: Aug.-Sept.P	July-Aug.r	June-July	Not seasonally adjusted[1]: End of month: Sept. 1988P	Aug. 1988r	July 1988	Sept. 1987	Percent change: Sept. 88/87P
	All manufacturing industries	347,881	345,798	343,788	+0.6	+0.6	+0.5	346,406	346,830	344,304	322,794	+7.3
	Manufacturing industries with unfilled orders	240,881	238,953	237,220	+0.8	+0.7	+0.6	240,791	240,748	239,098	222,340	+8.3
	Durable goods industries	228,357	226,600	225,467	+0.8	+0.5	+0.7	227,894	227,521	226,096	211,070	+8.0
	With unfilled orders	210,666	208,849	207,446	+0.9	+0.7	+0.5	210,683	210,245	208,804	194,679	+8.2
32	Stone, clay, and glass products	7,331	7,293	7,276	+0.5	+0.2	+1.1	7,170	7,267	7,368	6,986	+2.6
33	Primary metals	19,576	19,246	18,958	+1.7	+1.5	+1.2	19,558	19,264	19,055	17,326	+12.9
331	Blast furnaces, steel mills	9,539	9,351	9,206	+2.0	+1.6	+2.0	9,634	9,462	9,313	8,159	+18.1
332	Iron and steel foundries	1,268	1,297	1,231	-2.2	+5.4	-0.6	1,243	1,248	1,219	1,207	+3.0
333-9	Nonferrous and other primary metals	8,769	8,598	8,521	+2.0	+0.9	+0.7	8,681	8,554	8,523	7,960	+9.1
34	Fabricated metal products	23,542	23,266	22,928	+1.2	+1.5	+0.4	23,298	23,141	22,906	22,081	+5.5
35	Machinery, except electrical	45,939	45,123	44,391	+1.8	+1.6	+1.0	45,463	45,293	44,509	40,638	+11.9
351	Engines and turbines	3,000	2,942	2,889	+2.0	+1.8	0.0	3,030	3,003	2,951	2,665	+13.7
353	Construction, mining, and material handling equipment	7,271	7,238	7,178	+0.5	+0.8	+1.5	7,198	7,222	7,081	6,426	+12.0
354	Metalworking machinery	3,179	3,073	2,803	+3.4	+9.6	+0.9	3,147	3,111	2,830	2,689	+17.0
357	Office and computing machines	11,838	11,610	11,527	+2.0	+0.7	+2.0	11,720	11,838	11,674	10,211	+14.8
36	Electrical machinery	39,932	39,791	39,358	+0.4	+1.1	-0.3	39,974	40,268	39,879	38,739	+3.2
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,099	5,043	5,004	+1.1	+0.8	-0.2	5,082	5,075	5,038	4,879	+4.2
363	Household appliances	2,795	2,818	2,775	-0.8	+1.5	-0.5	2,627	2,744	2,808	2,596	+1.2
365	Radio and TV	1,377	1,371	1,407	+0.4	-2.6	+6.1	1,405	1,469	1,513	1,527	-8.0
366	Communication equipment	16,116	16,143	15,853	-0.2	+1.8	-2.2	16,254	16,382	16,039	16,392	-.8
367	Electronic components	8,479	8,407	8,292	+0.9	+1.4	+1.9	8,479	8,516	8,356	7,550	+12.3
364,9	Other electrical machinery	6,066	6,009	6,027	+0.9	-0.3	+0.3	6,127	6,082	6,125	5,795	+5.7
37	Transportation equipment	60,843	60,621	61,206	+0.4	-1.0	+0.4	61,493	61,031	60,971	55,829	+10.1
371	Motor vehicles and parts	11,570	11,618	11,548	-0.4	+0.6	-0.2	11,639	11,576	11,031	11,358	+2.5
372,6	Aircraft, missiles, and parts	45,027	44,799	45,434	+0.5	-1.4	+0.3	45,591	45,307	45,787	40,652	+12.1
3731,95	Shipbuilding and military tank vehicles	2,146	2,166	2,102	-0.9	+3.0	+2.4	2,189	2,161	2,136	1,977	+10.7
38	Instruments and related products	13,520	13,455	13,275	+0.5	+1.4	+1.1	13,502	13,575	13,382	12,638	+6.8
381-4	Scientific and engineering instruments	9,892	9,882	9,768	+0.1	+1.2	+0.8	9,892	9,904	9,796	9,299	+6.4
386	Photographic goods	3,039	2,990	2,932	+1.6	+2.0	+2.6	3,009	3,066	2,987	2,654	+13.4
24,25, 39	All other durable goods	17,674	17,805	18,075	-0.7	-1.5	+1.9	17,436	17,682	18,026	16,833	+3.6
	Nondurable goods industries	119,524	119,198	118,321	+0.3	+0.7	+0.3	118,512	119,309	118,208	111,724	+6.1
	With unfilled orders	30,215	30,104	29,774	+0.4	+1.1	+1.2	30,108	30,503	30,294	27,661	+8.8
20	Food and kindred products	25,789	25,688	25,548	+0.4	+0.5	-0.5	26,027	25,860	24,728	24,867	+4.7
202	Dairy products	2,273	2,249	2,275	+1.1	-1.1	+2.5	2,250	2,282	2,305	2,179	+3.3
208	Beverages	4,463	4,412	4,396	+1.2	+0.4	+1.0	4,374	4,317	4,338	4,518	-3.2
203-6,9	All other foods	14,711	14,708	14,616	0.0	+0.6	-0.2	15,447	15,213	14,037	14,795	+4.4
21	Tobacco products	5,746	5,848	5,784	-1.7	+1.1	+1.4	5,574	5,425	5,286	5,613	-.7
22	Textile mill products	7,481	7,737	7,742	-3.3	-0.1	+2.3	7,331	7,735	7,850	7,333	.0
221-4,6, 8,9	Broadwoven fabrics	4,385	4,527	4,518	-3.1	+0.2	+1.6	4,297	4,489	4,563	4,280	+.4
26	Paper and allied products	11,819	11,647	11,530	+1.5	+1.0	+0.8	11,548	11,570	11,545	10,768	+7.2
261-3,6	Pulp, paper etc.	4,197	4,116	4,038	+2.0	+1.9	+1.5	4,072	4,050	4,027	3,711	+9.7
265	Paperboard containers	3,262	3,221	3,233	+1.3	-0.4	+1.2	3,197	3,209	3,217	2,907	+10.0
264	All other paper products	4,360	4,310	4,259	+1.2	+1.2	-0.1	4,279	4,311	4,301	4,150	+3.1
28	Chemicals and allied products	26,727	26,544	26,154	+0.7	+1.5	+0.8	26,252	26,461	26,358	23,933	+9.7
281,6	Industrial chemicals, except pigments	6,939	6,875	6,830	+0.9	+0.7	+1.6	6,939	6,910	6,893	6,363	+9.1
283,4	Drugs, soaps, and toiletries	9,512	9,468	9,348	+0.5	+1.3	+1.2	9,227	9,541	9,506	8,330	+10.8
282,9	Other chemical products	6,721	6,643	6,481	+1.2	+2.5	+0.3	6,587	6,559	6,553	5,833	+12.9
29	Petroleum and coal products	9,408	9,518	9,839	-1.2	-3.3	-1.8	9,372	9,499	9,817	10,105	-7.3
30	Rubber and plastics products	10,080	9,847	9,688	+2.4	+1.6	+1.7	9,845	9,798	9,708	8,752	+12.5
23,27, 31	All other nondurable goods	22,474	22,369	22,036	+0.5	+1.5	-0.2	22,563	22,961	22,916	20,353	+10.9
	Market categories:											
	Home goods and apparel	26,587	26,662	26,544	-0.3	+0.4	+0.3	26,134	26,989	27,427	25,509	+2.5
	Consumer staples	44,242	44,157	43,793	+0.2	+0.8	+0.7	44,380	44,290	42,975	42,013	+5.6
	Equipment and defense products, except automotive	101,954	101,110	100,716	+0.8	+0.4	-0.1	101,894	101,562	101,109	93,624	+8.8
	Automotive equipment	14,409	14,411	14,414	0.0	0.0	+0.7	14,400	14,297	13,765	13,884	+3.7
	Construction materials, supplies and intermediate products	25,164	25,142	25,202	+0.1	-0.2	+1.8	24,669	24,850	25,079	23,305	+5.9
	Other materials, supplies, and intermediate products	135,525	134,316	133,119	+0.9	+0.9	+0.8	134,929	134,842	133,949	124,459	+8.4
	Supplementary series:[2]											
	Capital goods industries	117,741	116,653	116,243	+0.9	+0.4	+0.2	118,132	117,720	117,188	107,992	+9.4
	Nondefense	82,913	82,582	81,444	+0.4	+1.4	+0.9	82,879	83,210	81,813	74,901	+10.7
	Excluding aircraft and parts	63,200	62,185	61,357	+1.6	+1.3	+0.7	62,852	62,617	61,847	57,212	+9.9
	Defense	34,828	34,071	34,799	+2.2	-2.1	-1.5	35,253	34,510	35,375	33,091	+6.5
	Household durable goods industries	12,670	12,620	12,653	+0.4	-0.3	+0.3	12,496	12,804	13,020	12,590	-.7

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Sept. 1988[p]	Aug. 1988[r]	July 1988	Percent change: Aug.-Sept.[p]	July-Aug.[r]	June-July	Not seasonally adjusted[1]: End of month: Sept. 1988[p]	Aug. 1988[r]	July 1988	Sept. 1987	Percent change Sept. 88/87[p]
	MATERIALS AND SUPPLIES											
	All manufacturing industries	112,653	111,929	110,488	+0.6	+1.3	+0.6	112,032	111,767	110,507	103,543	+8.2
	Durable goods industries	65,379	64,998	64,138	+0.6	+1.3	+1.0	65,520	65,354	64,304	60,371	+8.5
32	Stone, clay, and glass products	2,401	2,398	2,406	+0.1	-0.3	+0.6	2,398	2,423	2,454	2,246	+6.8
33	Primary metals	6,182	6,132	6,073	+0.8	+1.0	+1.1	6,247	6,152	6,060	5,357	+16.6
34	Fabricated metal products	8,444	8,578	8,370	-1.6	+2.5	+0.2	8,435	8,618	8,442	7,898	+6.8
35	Machinery, except electrical	13,108	12,757	12,521	+2.8	+1.9	+2.0	13,047	12,851	12,625	11,475	+13.7
36	Electrical machinery	10,831	10,713	10,484	+1.1	+2.2	0.0	10,854	10,848	10,728	10,224	+6.2
37	Transportation equipment	12,993	12,988	12,745	0.0	+1.9	+0.2	13,077	13,027	12,464	12,512	+4.5
38	Instruments and related products	4,588	4,519	4,405	+1.5	+2.6	+0.6	4,604	4,584	4,473	4,179	+10.2
24,25, 39	All other durable goods	6,832	6,913	7,134	-1.2	-3.1	+3.1	6,858	6,851	7,058	6,480	+5.8
	Nondurable goods industries	47,274	46,931	46,350	+0.7	+1.3	+0.2	46,512	46,413	46,203	43,172	+7.7
20	Food and kindred products	9,474	9,275	9,028	+2.1	+2.7	-2.8	9,018	8,873	8,736	8,475	+6.4
21	Tobacco products	4,381	4,425	4,416	-1.0	+0.2	+1.4	4,235	4,107	4,072	4,636	-8.6
22	Textile mill products	2,295	2,343	2,361	-2.0	-0.8	+3.1	2,230	2,329	2,411	2,171	+2.7
26	Paper and allied products	6,511	6,447	6,331	+1.0	+1.8	+0.7	6,430	6,395	6,320	5,742	+12.0
28	Chemicals and allied products	9,504	9,492	9,292	+0.1	+2.2	-0.4	9,531	9,570	9,511	8,537	+11.6
29	Petroleum and coal products	2,344	2,369	2,428	-1.1	-2.4	-2.5	2,272	2,334	2,368	2,497	-9.0
30	Rubber and plastics products	4,087	3,958	3,898	+3.3	+1.5	+3.2	4,007	3,923	3,910	3,331	+20.3
23,27, 31	All other nondurable goods	8,678	8,622	8,596	+0.6	+0.3	+1.9	8,789	8,882	8,875	7,783	+12.9
	WORK IN PROCESS											
	All manufacturing industries	123,342	123,090	123,475	+0.2	-0.3	+0.3	124,265	124,079	123,737	116,573	+6.6
	Durable goods industries	104,477	103,927	104,257	+0.5	-0.3	+0.1	105,411	104,881	104,508	98,116	+7.4
32	Stone, clay, and glass products	1,107	1,117	1,118	-0.9	-0.1	-1.1	1,098	1,122	1,129	1,020	+7.6
33	Primary metals	7,935	7,759	7,615	+2.3	+1.9	+0.5	7,948	7,815	7,673	6,875	+15.6
34	Fabricated metal products	8,296	8,159	7,998	+1.7	+2.0	+0.7	8,313	8,100	7,979	7,841	+6.0
35	Machinery, except electrical	18,030	17,738	17,607	+1.6	+0.7	-0.7	18,127	17,868	17,488	17,259	+5.0
36	Electrical machinery	19,655	19,672	19,618	-0.1	+0.3	-0.4	19,834	19,999	19,762	19,778	+.3
37	Transportation equipment	40,665	40,655	41,484	0.0	-2.0	+0.7	41,335	41,103	41,649	36,869	+12.1
38	Instruments and related products	5,277	5,282	5,265	-0.1	+0.3	+2.7	5,285	5,306	5,277	4,954	+6.7
24,25, 39	All other durable goods	3,512	3,545	3,552	-0.9	-0.2	-4.6	3,471	3,568	3,551	3,520	-1.4
	Nondurable goods industries	18,865	19,163	19,218	-1.6	-0.3	+0.9	18,854	19,198	19,229	18,457	+2.2
20	Food and kindred products	2,503	2,578	2,690	-2.9	-4.2	+1.8	2,478	2,575	2,638	2,591	-4.4
21	Tobacco products	253	268	252	-5.6	+6.3	+0.8	285	211	179	124	+129.8
22	Textile mill products	2,253	2,325	2,379	-3.1	-2.3	+1.9	2,232	2,304	2,370	2,240	-.4
26	Paper and allied products	1,313	1,296	1,301	+1.3	-0.4	+3.2	1,313	1,321	1,318	1,259	+4.3
28	Chemicals and allied products	4,097	4,192	4,147	-2.3	+1.1	+2.6	4,162	4,247	4,228	3,909	+6.5
29	Petroleum and coal products	2,478	2,476	2,530	+0.1	-2.1	+0.9	2,417	2,478	2,551	2,576	-6.2
30	Rubber and plastics products	1,386	1,421	1,400	-2.5	+1.5	-0.6	1,427	1,447	1,389	1,284	+11.1
23,27, 31	All other nondurable goods	4,582	4,607	4,519	-0.5	+1.9	-1.8	4,540	4,615	4,556	4,474	+1.5
	FINISHED GOODS											
	All manufacturing industries	111,886	110,779	109,825	+1.0	+0.9	+0.7	110,109	110,984	110,060	102,678	+7.2
	Durable goods industries	58,501	57,675	57,072	+1.4	+1.1	+1.3	56,963	57,286	57,284	52,583	+8.3
32	Stone, clay, and glass products	3,823	3,778	3,752	+1.2	+0.7	+2.1	3,674	3,722	3,785	3,720	-1.2
33	Primary metals	5,459	5,355	5,270	+1.9	+1.6	+2.4	5,363	5,297	5,322	5,094	+5.3
34	Fabricated metal products	6,802	6,529	6,560	+4.2	-0.5	+0.3	6,550	6,423	6,485	6,342	+3.3
35	Machinery, except electrical	14,801	14,628	14,263	+1.2	+2.6	+2.3	14,289	14,574	14,396	11,904	+20.0
36	Electrical machinery	9,446	9,406	9,256	+0.4	+1.6	-0.8	9,286	9,421	9,389	8,737	+6.3
37	Transportation equipment	7,185	6,978	6,977	+3.0	0.0	-0.5	7,081	6,901	6,858	6,448	+9.8
38	Instruments and related products	3,655	3,654	3,605	0.0	+1.4	-0.4	3,613	3,685	3,632	3,505	+3.1
24,25, 39	All other durable goods	7,330	7,347	7,389	-0.2	-0.6	+4.0	7,107	7,263	7,417	6,833	+4.0
	Nondurable goods industries	53,385	53,104	52,753	+0.5	+0.7	+0.2	53,146	53,698	52,776	50,095	+6.1
20	Food and kindred products	13,812	13,835	13,830	-0.2	0.0	+0.7	14,531	14,412	13,354	13,801	+5.3
21	Tobacco products	1,112	1,155	1,116	-3.7	+3.5	+1.5	1,054	1,107	1,035	853	+23.6
22	Textile mill products	2,933	3,069	3,002	-4.4	+2.2	+1.9	2,869	3,102	3,069	2,922	-1.8
26	Paper and allied products	3,995	3,904	3,898	+2.3	+0.2	+0.2	3,805	3,854	3,907	3,767	+1.0
28	Chemicals and allied products	13,126	12,860	12,715	+2.1	+1.1	+1.1	12,559	12,644	12,619	11,487	+9.3
29	Petroleum and coal products	4,586	4,673	4,881	-1.9	-4.3	-2.9	4,683	4,687	4,898	5,032	-6.9
30	Rubber and plastics products	4,607	4,468	4,390	+3.1	+1.8	+1.1	4,411	4,428	4,409	4,137	+6.6
23,27, 31	All other nondurable goods	9,214	9,140	8,921	+0.8	+2.5	-1.4	9,234	9,464	9,485	8,096	+14.1

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Sept. 1988P	Aug. 1988r	July 1988	June 1988	Sept. 1988P	Aug. 1988r	July 1988	June 1988
	All manufacturing industries	1.57	1.56	1.59	1.56	3.66	3.68	3.73	3.67
	Durable goods industries	1.94	1.92	1.99	1.92	4.43	4.46	4.55	4.44
32	Stone, clay, and glass products	1.35	1.34	1.42	1.36	1.18	1.18	1.24	1.17
33	Primary metals	1.60	1.61	1.62	1.54	2.08	2.11	2.18	2.05
34	Fabricated metal products	1.95	1.96	1.99	1.84	2.61	2.65	2.79	2.60
35	Machinery, except electrical	2.16	2.10	2.14	2.09	2.93	2.89	2.92	2.85
36	Electrical machinery	2.07	2.08	2.07	2.11	4.79	4.87	4.91	4.98
37	Transportation equipment	2.04	1.98	2.25	2.08	11.27	11.29	12.12	11.80
38	Instruments and related products	2.21	2.22	2.11	2.16	2.24	2.28	2.22	2.29
	Nondurable goods industries	1.15	1.15	1.14	1.15	0.79	0.79	0.79	0.79
20	Food and kindred products	0.85	0.85	0.84	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	2.83	3.17	3.48	3.46	(X)	(X)	(X)	(X)
22	Textile mill products	1.48	1.56	1.57	1.51	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.11	1.10	1.10	1.10	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.33	1.28	1.28	1.30	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.92	0.90	0.91	0.94	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.28	1.25	1.30	1.27	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988	Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988	Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988	Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988
	All manufacturing industries	0.5	0.2	0.2	0.8	0.3	0.3	0.1	0.1	0.1	0.0	0.1	0.1
	Durable goods industries	0.7	0.4	0.2	1.0	0.4	0.4	0.1	0.1	0.1	0.0	0.2	0.1
32	Stone, clay, and glass products	1.1	0.7	0.7	1.1	0.5	0.5	0.2	0.5	0.5	0.2	0.6	0.2
33	Primary metals	2.8	1.0	0.7	4.8	1.6	1.4	1.0	0.4	0.4	0.0	0.1	0.4
34	Fabricated metal products	0.1	0.5	0.4	0.3	0.8	0.8	0.1	0.4	0.3	0.0	0.2	0.1
35	Machinery, except electrical	0.9	0.6	0.8	0.4	0.8	1.1	0.1	0.2	0.3	0.2	0.5	0.2
36	Electrical machinery	0.9	0.5	0.5	1.8	0.7	0.8	0.2	0.1	0.1	0.0	0.1	0.2
37	Transportation equipment	0.0	0.1	0.2	0.3	0.6	0.4	0.1	0.1	0.1	0.0	0.1	0.1
38	Instruments and related products	1.9	0.9	0.9	2.2	1.2	1.1	0.2	0.2	0.3	0.0	0.1	0.2
	Nondurable goods industries	0.5	0.2	0.2	0.4	0.2	0.3	0.2	0.7	0.6	0.1	0.1	0.1
20	Food and kindred products	1.7	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.3
21	Tobacco products	0.0	0.1	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
22	Textile mill products	0.3	0.9	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.7	0.5
26	Paper and allied products	0.5	0.4	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.1	0.2
28	Chemicals and allied product	0.0	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3	0.2
29	Petroleum and coal products	0.2	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.5
30	Rubber and plastics products	0.1	1.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1	0.2
	Capital goods industries:												
	Nondefense	1.0	0.6	0.5	1.3	1.0	0.8	0.0	0.1	0.1	0.1	0.3	0.1
	Defense	0.0	0.3	0.7	0.1	2.3	1.6	0.0	0.1	0.1	0.0	0.2	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

CURRENT INDUSTRIAL REPORTS

C 3.158: M3-1-(88)-10

Manufacturers' Shipments, Inventories, and Orders

FEB 10 1989

October 1988

M3-1-(88)-10

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E.S.T. Friday, December 2, 1988

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in October increased $3.5 billion or 1.6 percent to $226.2 billion, following a 1.9 percent decline in September. Orders for the year are 9.3 percent higher than the same period a year ago, while 1987 was 6.6 percent above the same 10 month period for 1986.

Shipments of manufactured goods in October increased $1.1 billion or 0.5 percent to $222.5 billion. Shipments for the year are 9.0 percent above the same period a year ago, while 1987 shipments were 5.2 percent above the same 10 months of 1986.

Manufacturers' unfilled orders in October were up $3.7 billion or 0.8 percent to $456.8 billion. This is the twentieth consecutive monthly increase.

Manufacturers' inventories in October increased $2.1 billion or 0.6 percent to $349.9 billion. This is also the twentieth consecutive increase, although the ratio of inventories to shipments has been generally decreasing. The inventory to shipments ratio in October was 1.57, the same as September.

New Orders

Most of the increase in manufacturers' orders was in the durables sector, up $2.7 billion or 2.3 percent to $122.1 billion. Transportation equipment was up $2.7 billion or 8.5 percent to $34.3 billion; defense shipbuilding and tanks accounted for most of the increase although motor vehicles and parts were also up. Machinery in total showed a 0.7 percent decline, as a decrease in nonelectrical of $0.7 billion or 3.3 percent to $20.8 billion more than offset an increase in electrical of $0.4 billion or 2.2 percent to $19.0 billion. Primary metals declined slightly as a decrease in steel of $0.4 billion or 6.8 percent offset a $0.4 billion or 5.6 percent increase in nonferrous metals.

Orders for nondurables increased $0.8 billion or 0.8 percent to $104.2 billion. Chemicals accounted for most of the increase, although nearly all the industries were up.

Shipments

Most of the increase in shipments in October was in nondurables, up $0.9 billion or 0.9 percent to $104.3 billion. Chemicals showed the largest increase, up $0.8 billion or 4.1 percent to $21.0 billion.

Shipments of durable goods were up $0.2 billion or 0.2 percent to $118.3 billion. Transportation equipment was up $0.9 billion or 3.0 percent to $30.9 billion, with nearly all of the increase in motor vehicles and parts. Partially offsetting the increase in transportation were declines in both the machinery categories; electrical was down $0.3 billion or 1.7 percent and nonelectrical $0.3 billion or 1.5 percent. The other categories were relatively flat.

Unfilled Orders

Unfilled orders in October increased $3.7 billion or 0.8 percent to $456.8 billion. The increase was concentrated in transportation equipment, up $3.4 billion or 1.7 percent to $203.1 billion; aircraft and parts accounted for about two-thirds of the increase in transportation with the rest in shipbuilding and tanks. The largest decline in order backlog was in nonelectrical machinery, down $0.1 billion or 0.2 percent to $59.0 billion, the first decline in that category since March 1987.

Inventories

The increase of 0.6 percent in inventories was concentrated in durables, up $1.8 billion or 0.8 percent to $230.0 billion. Virtually all major industries increased; the largest was in transportation equipment up $0.5 billion or 0.9 percent to $61.5 billion. Nondurables inventories were up $0.3 billion or 0.3 percent from September to $119.9 billion as a decline in petroleum products of $0.2 billion or 1.9 percent was offset by increases in most of the other categories.

By stage of fabrication, materials and supplies were up 0.3 percent for durables and 0.7 percent for nondurables. The pattern was different for work in process and finished goods. Durables work in process was up 0.8 percent and finished goods up 1.2 percent; for nondurables, work in process declined 0.5 percent and finished goods were up 0.1 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for November is scheduled for December 22, 1988 at 8:30 a.m. and the full report on January 4, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Oct. 1988P	Sept. 1988r	Aug. 1988	Sept.-Oct.P	Aug.-Sept.r	July-Aug.	Oct. 1988P	Sept. 1988r	Aug. 1988	Oct. 1987r	Oct. 88/87P	1988P	1987r
	All manufacturing industries	222,540	221,395	221,715	+0.5	-0.1	+2.3	229,111	234,386	217,031	210,597	+8.8	2,162,290	1,982,980
	Manufacturing industries with unfilled orders	123,313	123,757	122,913	-0.4	+0.7	+2.8	126,603	131,908	119,743	116,024	+9.1	1,194,658	1,086,172
	Durable goods industries	118,278	118,030	117,866	+0.2	+0.1	+4.2	122,437	125,058	112,493	112,009	+9.3	1,146,924	1,046,976
	With unfilled orders	97,094	97,628	96,678	-0.5	+1.0	+3.3	99,276	104,359	93,099	90,212	+10.0	937,288	848,091
32	Stone, clay, and glass products	5,405	5,399	5,435	+0.1	-0.7	+6.3	5,715	5,852	5,653	6,089	-6.1	53,692	52,252
33	Primary metals	12,280	12,334	11,990	-0.4	+2.9	+2.8	12,525	12,614	11,930	10,732	+16.7	118,003	95,655
331	Blast furnaces, steel mills	5,179	5,211	5,091	-0.6	+2.4	+1.2	5,220	5,193	4,978	4,749	+9.9	51,202	41,441
332	Iron and steel foundries	891	952	883	-6.4	+7.8	+9.0	971	934	892	890	+9.1	8,689	8,094
333-9	Nonferrous and other primary metals	6,210	6,171	6,016	+0.6	+2.6	+3.3	6,334	6,487	6,060	5,093	+24.4	58,112	46,120
34	Fabricated metal products	12,073	12,049	11,870	+0.2	+1.5	+3.0	12,686	12,696	11,845	11,455	+10.7	120,048	113,616
35	Machinery, except electrical	20,902	21,224	21,488	-1.5	-1.2	+3.6	20,601	23,111	19,565	18,528	+11.2	203,102	177,814
351	Engines and turbines	1,396	1,418	1,483	-1.6	-4.4	+15.3	1,283	1,476	1,362	1,160	+10.6	12,980	11,557
353	Construction, mining, and material handling equipment	2,533	2,545	2,569	-0.5	-0.9	-1.4	2,482	2,559	2,310	2,317	+7.1	25,044	21,152
354	Metalworking machinery	906	921	1,034	-1.6	-10.9	+4.4	1,006	1,035	897	916	+9.8	9,170	7,815
357	Office and computing machines	5,694	5,777	5,850	-1.4	-1.2	+1.2	5,068	7,327	5,227	4,663	+8.7	54,387	48,826
36	Electrical machinery	19,016	19,354	19,131	-1.7	+1.2	+0.6	19,289	21,239	18,845	18,210	+5.9	187,721	173,000
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,440	2,368	2,292	+3.0	+3.3	-0.2	2,454	2,611	2,231	2,217	+10.7	22,952	21,496
363	Household appliances	1,493	1,570	1,564	-4.9	+0.4	+5.5	1,568	1,759	1,635	1,556	+0.8	15,169	15,257
365	Radio and TV	1,014	1,056	1,060	-4.0	-0.4	+18.4	1,197	1,343	1,066	1,140	+5.0	9,472	9,502
366	Communication equipment	6,118	6,244	6,114	-2.0	+2.1	-2.9	5,873	6,777	5,934	5,688	+3.3	61,550	57,399
367	Electronic components	4,692	4,752	4,654	-1.3	+2.1	-2.5	4,645	5,017	4,632	4,113	+12.9	45,428	38,733
364,9	Other electrical machinery	3,259	3,364	3,447	-3.1	-2.4	+5.2	3,552	3,732	3,347	3,496	+1.6	33,150	30,613
37	Transportation equipment	30,867	29,960	30,683	+3.0	-2.4	+12.6	32,601	30,570	27,100	28,722	+13.5	288,619	268,438
371	Motor vehicles and parts	19,547	18,700	19,349	+4.5	-3.4	+18.1	21,375	19,156	16,616	18,369	+16.4	181,215	165,927
372,6	Aircraft, missiles, and parts	9,237	9,078	9,257	+1.8	-1.9	+3.6	9,091	9,262	8,454	8,462	+7.4	86,743	83,888
3731,95	Shipbuilding and military tank vehicles	834	934	799	-10.7	+16.9	-4.1	819	941	805	773	+6.0	8,380	8,150
38	Instruments and related products	6,081	6,147	6,048	-1.1	+1.6	-3.9	6,174	6,545	5,900	5,791	+6.6	60,056	55,260
381-4	Scientific and engineering instruments	4,116	4,186	4,122	-1.7	+1.6	-3.7	4,116	4,402	4,090	3,838	+7.2	40,708	37,038
386	Photographic goods	1,813	1,803	1,773	+0.6	+1.7	-4.1	1,886	1,976	1,660	1,725	+9.3	17,602	16,243
24,25, 39	All other durable goods	11,654	11,563	11,221	+0.8	+3.0	-2.5	12,846	12,431	11,655	12,482	+2.9	116,569	110,941
	Nondurable goods industries	104,262	103,365	103,849	+0.9	-0.5	+0.3	106,674	109,328	104,538	98,588	+8.2	1,015,366	936,004
	With unfilled orders	26,219	26,129	26,235	+0.3	-0.4	+1.0	27,327	27,549	26,644	25,812	+5.9	257,370	238,081
20	Food and kindred products	30,451	30,339	30,265	+0.4	+0.2	-0.7	31,221	32,455	29,913	28,258	+10.5	295,385	269,754
202	Dairy products	4,179	4,197	4,130	-0.4	+1.6	+1.5	4,095	4,273	4,146	3,950	+3.7	40,622	39,261
208	Beverages	3,896	4,034	4,024	-3.4	+0.2	+0.6	3,935	4,118	4,308	3,738	+5.3	40,252	38,020
203-6,9	All other foods	14,279	14,089	14,173	+1.3	-0.6	-0.2	14,707	15,756	13,351	12,733	+15.5	135,471	117,125
21	Tobacco products	1,884	2,021	1,846	-6.8	+9.5	+11.0	1,696	2,353	1,771	1,382	+22.7	17,532	15,606
22	Textile mill products	4,794	5,047	4,956	-5.0	+1.8	+0.8	5,147	5,599	5,186	5,185	-0.7	49,339	48,181
221-4,6, 8,9	Broadwoven fabrics	2,898	3,030	3,050	-4.4	-0.7	+1.8	3,014	3,398	3,126	3,172	-5.0	30,181	29,794
26	Paper and allied products	10,686	10,550	10,575	+1.3	-0.2	+0.9	10,750	10,782	10,639	9,676	+11.1	103,309	91,418
261-3,6	Pulp, paper etc.	4,756	4,711	4,709	+1.0	0.0	+0.1	4,714	4,703	4,702	4,106	+14.8	45,747	38,728
265	Paperboard containers	2,631	2,635	2,643	-0.2	-0.3	+3.1	2,710	2,751	2,705	2,388	+13.5	25,479	22,320
264	All other paper products	3,299	3,204	3,223	+3.0	-0.6	+0.2	3,326	3,328	3,232	3,182	+4.5	32,083	30,370
28	Chemicals and allied products	20,968	20,144	20,680	+4.1	-2.6	+1.0	20,313	21,051	20,342	17,780	+14.2	200,019	177,052
281,6	Industrial chemicals, except pigments	5,971	5,772	5,750	+3.4	+0.4	-3.5	5,852	5,836	5,647	5,075	+15.3	55,982	49,539
283,4	Drugs, soaps, and toiletries	6,316	5,956	6,506	+6.0	-8.5	+11.3	6,253	7,003	6,578	5,596	+11.7	60,701	55,904
282,9	Other chemical products	5,658	5,420	5,454	+4.4	-0.6	0.0	5,658	5,541	5,454	4,977	+13.7	53,939	48,279
29	Petroleum and coal products	10,283	10,256	10,546	+0.3	-2.7	-2.2	10,480	10,365	10,966	10,984	-4.6	103,785	103,588
30	Rubber and plastics products	7,869	7,855	7,894	+0.2	-0.5	+5.7	8,305	8,159	7,707	7,320	+13.5	75,817	67,234
23,27, 31	All other nondurable goods	17,327	17,153	17,087	+1.0	+0.4	-1.2	18,762	18,564	18,014	18,003	+4.2	170,180	163,171
	Market categories:													
	Home goods and apparel	14,364	14,328	14,073	+0.3	+1.8	-1.4	15,989	16,326	15,319	15,322	+4.4	143,057	139,075
	Consumer staples	42,853	42,458	42,823	+0.9	-0.9	+2.5	43,594	46,141	42,492	39,645	+10.0	413,910	381,490
	Equipment and defense products, except automotive	36,439	37,042	36,507	-1.6	+1.5	-0.1	35,759	40,023	34,408	32,867	+8.8	354,315	319,449
	Automotive equipment	21,984	21,188	21,888	+3.8	-3.2	+17.1	24,034	21,733	19,179	20,821	+15.4	205,491	188,157
	Construction materials, supplies and intermediate products	17,140	17,045	16,963	+0.6	+0.5	+1.9	18,310	18,268	17,558	17,884	+2.4	171,981	161,801
	Other materials, supplies, and intermediate products	89,760	89,334	89,461	+0.5	-0.1	+0.8	91,425	91,895	88,075	84,058	+8.8	873,536	793,008
	Supplementary series:[2]													
	Capital goods industries	40,995	41,353	41,449	-0.9	-0.2	+1.9	40,567	44,647	38,777	37,615	+7.8	396,561	363,304
	Nondefense	32,569	32,523	32,414	+0.1	+0.3	+1.3	32,116	35,621	30,167	28,533	+12.6	311,099	274,171
	Excluding aircraft and parts	27,884	28,262	28,346	-1.3	-0.3	+1.9	27,697	31,250	26,615	25,325	+9.4	271,472	241,465
	Defense	8,426	8,830	9,035	-4.6	-2.3	+4.3	8,451	9,026	8,610	9,082	-6.9	86,500	89,133
	Household durable goods industries	6,724	6,638	6,571	+1.3	+1.0	+2.3	7,480	7,755	6,867	7,011	+6.7	66,026	63,436

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change Oct. 88/87[p]	Year to date	
		Oct. 1988[p]	Sept. 1988[r]	Aug. 1988	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1988[p]	Sept. 1988[r]	Aug. 1988	Oct. 1987[r]		1988[p]	1987[r]
	All manufacturing industries	226,208	222,669	227,009	+1.6	-1.9	+3.2	230,853	234,757	218,860	211,838	+9.0	2,197,850	2,009,860
	Manufacturing industries with unfilled orders	126,981	125,031	128,207	+1.6	-2.5	+4.5	128,345	132,279	121,572	117,265	+9.4	1,230,218	1,113,052
	Durable goods industries	122,058	119,321	122,806	+2.3	-2.8	+5.8	124,592	125,584	114,410	113,269	+10.0	1,181,503	1,069,357
	With unfilled orders	100,874	98,919	101,618	+2.0	-2.7	+5.2	101,431	104,885	95,016	91,472	+10.9	971,867	870,472
32	Stone, clay, and glass products	5,352	5,364	5,520	-0.2	-2.8	+5.5	5,518	5,766	5,740	5,918	-6.8	54,283	52,403
33	Primary metals	12,448	12,496	11,794	-0.4	+6.0	-2.6	12,399	12,205	11,606	10,938	+13.4	119,003	99,573
331	Blast furnaces, steel mills	4,943	5,301	4,788	-6.8	+10.7	-5.8	4,742	4,978	4,694	4,478	+5.9	50,076	43,048
332	Iron and steel foundries	933	974	909	-4.2	+7.2	+5.5	1,018	960	875	886	+14.9	9,003	8,200
333-9	Nonferrous and other primary metals	6,572	6,221	6,097	+5.6	+2.0	-1.0	6,639	6,267	6,037	5,574	+19.1	59,924	48,325
34	Fabricated metal products	11,976	12,007	11,638	-0.3	+3.2	+1.5	12,314	12,417	11,570	11,506	+7.0	118,618	114,900
35	Machinery, except electrical	20,757	21,459	22,851	-3.3	-6.1	+6.7	20,058	23,003	21,222	18,936	+5.9	209,569	181,928
351	Engines and turbines	1,405	1,593	1,382	-11.8	+15.3	+7.3	1,396	1,676	1,395	1,365	+2.3	13,083	11,957
353	Construction, mining, and material handling equipment	2,454	2,614	2,716	-6.1	-3.8	+2.9	2,367	2,658	2,375	2,299	+3.0	25,631	21,366
354	Metalworking machinery	964	1,010	1,135	-4.6	-11.0	+2.7	923	1,134	1,044	807	+14.4	10,850	7,858
357	Office and computing machines	5,487	5,225	6,228	+5.0	-16.1	+6.4	4,836	6,455	5,753	4,669	+3.6	54,384	48,925
36	Electrical machinery	19,047	18,629	19,025	+2.2	-2.1	-0.1	19,277	20,939	17,997	18,546	+3.9	188,067	174,507
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,613	2,267	2,535	+15.3	-10.6	+5.5	2,603	2,490	2,500	2,253	+15.5	23,549	21,839
366	Communication equipment	6,116	5,584	5,914	+9.5	-5.6	-4.9	6,110	6,795	5,303	6,007	+1.7	59,937	57,364
367	Electronic components	4,309	4,823	4,430	-10.7	+8.9	-5.5	4,125	4,807	3,974	4,248	-2.9	45,922	39,858
364,9	Other electrical machinery	3,440	3,359	3,493	+2.4	-3.8	+6.7	3,716	3,738	3,424	3,490	+6.5	33,870	30,856
37	Transportation equipment	34,311	31,618	34,707	+8.5	-8.9	+18.7	36,081	32,788	28,986	29,199	+23.6	314,931	276,800
372,6	Aircraft, missiles, and parts	11,512	11,504	12,638	+0.1	-9.0	+15.0	11,363	11,887	10,854	9,640	+17.9	106,956	90,926
3731,95	Shipbuilding and military tank vehicles	2,108	-59	1,356	(N)	-104.4	+165.4	2,082	417	224	257	+710.1	14,004	8,583
38	Instruments and related products	6,217	6,104	5,912	+1.9	+3.2	-6.3	6,227	6,437	5,735	5,662	+10.0	60,451	56,267
381-4	Scientific and engineering instruments	4,255	4,101	3,995	+3.8	+2.7	-8.3	4,246	4,246	3,989	3,853	+10.2	41,106	37,751
24,25, 39	All other durable goods	11,950	11,644	11,359	+2.6	+2.5	+0.5	12,718	12,029	11,554	12,564	+1.2	117,467	112,979
	Nondurable goods industries	104,150	103,348	104,203	+0.8	-0.8	+0.4	106,261	109,173	104,450	98,569	+7.8	1,016,347	940,503
	With unfilled orders	26,107	26,112	26,589	0.0	-1.8	+1.7	26,914	27,394	26,556	25,793	+4.3	258,351	242,580
	Market categories:													
	Home goods and apparel	14,662	14,502	14,170	+1.1	+2.3	+1.2	15,641	15,974	15,175	15,072	+3.8	144,076	141,588
	Consumer staples	42,812	42,456	42,871	+0.8	-1.0	+2.3	43,525	46,123	42,546	39,604	+9.9	414,032	381,342
	Equipment and defense products, except automotive	38,571	36,343	39,283	+6.1	-7.5	+0.3	37,643	40,316	35,173	33,587	+12.1	374,008	330,570
	Automotive equipment	21,909	21,200	21,725	+3.3	-2.4	+16.3	24,009	21,636	18,997	20,620	+16.4	204,853	188,545
	Construction materials, supplies and intermediate products	17,215	17,001	17,022	+1.3	-0.1	+2.5	18,079	18,023	17,602	17,660	+2.4	172,543	161,416
	Other materials, supplies, and intermediate products	91,039	91,167	91,938	-0.1	-0.8	+2.7	91,956	92,685	89,367	85,295	+7.8	888,338	806,399
	Supplementary series:[2]													
	Capital goods industries	44,457	42,330	46,845	+5.0	-9.6	+8.4	43,861	46,619	41,989	39,234	+11.8	427,408	377,440
	Nondefense	33,811	34,858	38,808	-3.0	-10.2	+7.2	33,107	37,803	36,812	29,758	+11.3	340,788	289,527
	Excluding aircraft and parts	28,251	28,628	30,528	-1.3	-6.2	+5.3	27,813	31,463	29,048	25,675	+8.3	280,486	246,876
	Defense	10,646	7,472	8,037	+42.5	-7.0	+14.9	10,754	8,816	5,177	9,476	+13.5	87,658	87,913
	Household durable goods industries	7,029	6,786	6,668	+3.6	+1.8	+6.6	7,283	7,469	6,756	6,754	+7.8	66,862	64,605

[p]Preliminary. [r]Revised. (N) When new orders for a prior month are negative because of cancellations or as a result of seasonal adjustment, the percentage change calculation is algebraically negative even though there is a net dollar increase from the prior month to the current month.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change
		End of month			Percent change			End of month				
		Oct. 1988p	Sept. 1988r	Aug. 1988	Sept.-Oct.p	Aug.-Sept.r	July-Aug.	Oct. 1988p	Sept. 1988r	Aug. 1988	Oct. 1987r	Oct. 88/87p
	All manufacturing industries	456,771	453,103	451,830	+0.8	+0.3	+1.2	451,558	449,816	449,445	409,326	+10.3
	Durable goods industries	436,162	432,382	431,092	+0.9	+0.3	+1.2	431,142	428,987	428,461	389,200	+10.8
32	Stone, clay, and glass products	5,843	5,896	5,931	-0.9	-0.6	+1.5	5,668	5,865	5,951	5,218	+8.6
33	Primary metals	25,582	25,414	25,252	+0.7	+0.6	-0.8	24,178	24,304	24,713	21,598	+11.9
331	Blast furnaces, steel mills	11,195	11,431	11,341	-2.1	+0.8	-2.6	10,299	10,777	10,992	10,120	+1.8
332	Iron and steel foundries	2,268	2,226	2,204	+1.9	+1.0	+1.2	2,245	2,198	2,172	1,905	+17.8
333-9	Nonferrous and other primary metals	12,119	11,757	11,707	+3.1	+0.4	+0.7	11,634	11,329	11,549	9,573	+21.5
34	Fabricated metal products	28,540	28,637	28,679	-0.3	-0.1	-0.8	28,219	28,591	28,870	29,444	-4.2
35	Machinery, except electrical	58,991	59,136	58,901	-0.2	+0.4	+2.4	58,458	59,001	59,109	51,669	+13.1
351	Engines and turbines	5,267	5,258	5,083	+0.2	+3.4	-1.9	5,425	5,312	5,112	5,516	-1.6
353	Construction, mining, and material handling equipment	7,796	7,875	7,806	-1.0	+0.9	+1.9	7,640	7,755	7,656	6,532	+17.0
354	Metalworking machinery	4,329	4,271	4,182	+1.4	+2.1	+2.5	4,416	4,499	4,400	2,908	+51.9
357	Office and computing machines	13,513	13,720	14,272	-1.5	-3.9	+2.7	13,513	13,745	14,617	14,090	-4.1
36	Electrical machinery	92,503	92,472	93,197	0.0	-0.8	-0.1	92,490	92,502	92,802	91,904	+.6
361,2	Electrical transmission and distribution equipment and industrial apparatus	7,004	6,831	6,932	+2.5	-1.5	+3.6	6,983	6,834	6,955	6,489	+7.6
366	Communication equipment	64,591	64,593	65,253	0.0	-1.0	-0.3	64,749	64,512	64,494	66,262	-2.3
367	Electronic components	15,140	15,523	15,452	-2.5	+0.5	-1.4	14,837	15,357	15,567	14,098	+5.2
364,9	Other electrical machinery	4,739	4,558	4,563	+4.0	-0.1	+1.0	4,834	4,670	4,664	3,991	+21.1
37	Transportation equipment	203,120	199,676	198,019	+1.7	+0.8	+2.1	201,021	197,541	195,323	168,512	+19.3
372,6	Aircraft, missiles, and parts	167,651	165,376	162,950	+1.4	+1.5	+2.1	165,619	163,347	160,722	139,704	+18.5
3731,95	Shipbuilding and military tank vehicles	24,383	23,109	24,104	+5.5	-4.1	+2.4	24,403	23,140	23,664	18,535	+31.7
38	Instruments and related products	13,905	13,769	13,812	+1.0	-0.3	-1.0	13,893	13,840	13,948	13,447	+3.3
381-4	Scientific and engineering instruments	12,958	12,819	12,904	+1.1	-0.7	-1.0	12,958	12,828	12,984	12,334	+5.1
24,25, 39	All other durable goods	7,678	7,382	7,301	+4.0	+1.1	+1.9	7,215	7,343	7,745	7,408	-2.6
	Nondurable goods industries	20,609	20,721	20,738	-0.5	-0.1	+1.7	20,416	20,829	20,984	20,126	+1.4
	Market categories:											
	Home goods and apparel	8,593	8,295	8,121	+3.6	+2.1	+1.2	8,097	8,445	8,797	8,361	-3.2
	Consumer staples	840	881	883	-4.7	-0.2	+5.7	790	859	877	593	+33.2
	Equipment and defense products, except automotive	274,022	271,890	272,590	+0.8	-0.3	+1.0	271,885	270,001	269,708	244,954	+11.0
	Automotive equipment	8,652	8,727	8,715	-0.9	+0.1	-1.8	8,565	8,590	8,687	9,117	-6.1
	Construction materials, supplies and intermediate products	15,525	15,450	15,494	+0.5	-0.3	+0.4	15,157	15,388	15,633	14,410	+5.2
	Other materials, supplies, and intermediate products	149,139	147,860	146,027	+0.9	+1.3	+1.7	147,064	146,533	145,743	131,891	+11.5
	Supplementary series:[2]											
	Capital goods industries	334,097	330,635	329,659	+1.0	+0.3	+1.7	331,829	328,535	326,563	294,487	+12.7
	Nondefense	168,785	167,543	165,208	+0.7	+1.4	+4.0	168,549	167,558	165,376	133,928	+25.9
	Excluding aircraft and parts	86,962	86,595	86,229	+0.4	+0.4	+2.6	86,726	86,610	86,397	76,921	+12.7
	Defense	165,312	163,092	164,451	+1.4	-0.8	-0.6	163,280	160,977	161,187	160,559	+1.7
	Household durable goods industries	6,270	5,965	5,817	+5.1	+2.5	+1.7	5,783	5,980	6,266	5,891	-1.8

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Oct. 1988p	Seasonally adjusted: End of month: Sept. 1988r	Seasonally adjusted: End of month: Aug. 1988	Seasonally adjusted: Percent change: Sept.-Oct.p	Seasonally adjusted: Percent change: Aug.-Sept.r	Seasonally adjusted: Percent change: July-Aug.	Not seasonally adjusted[1]: End of month: Oct. 1988p	Not seasonally adjusted[1]: End of month: Sept. 1988r	Not seasonally adjusted[1]: End of month: Aug. 1988	Not seasonally adjusted[1]: End of month: Oct. 1987r	Percent change: Oct. 88/87p
	All manufacturing industries	349,908	347,785	345,798	+0.6	+0.6	+0.6	348,996	346,388	346,830	325,299	+7.3
	Manufacturing industries with unfilled orders	242,136	240,695	238,953	+0.6	+0.7	+0.7	241,633	240,686	240,748	223,652	+8.0
	Durable goods industries	230,012	228,214	226,600	+0.8	+0.7	+0.5	229,436	227,815	227,521	212,572	+7.9
	With unfilled orders	211,839	210,458	208,849	+0.7	+0.8	+0.7	211,886	210,570	210,245	196,255	+8.0
32	Stone, clay, and glass products	7,522	7,389	7,293	+1.8	+1.3	+0.2	7,231	7,207	7,267	6,920	+4.5
33	Primary metals	19,908	19,544	19,246	+1.9	+1.5	+1.5	19,777	19,552	19,264	17,487	+13.1
331	Blast furnaces, steel mills	9,754	9,551	9,351	+2.1	+2.1	+1.6	9,852	9,667	9,462	8,346	+18.0
332	Iron and steel foundries	1,292	1,283	1,297	+0.7	-1.1	+5.4	1,240	1,246	1,248	1,214	+2.1
333-9	Nonferrous and other primary metals	8,862	8,710	8,598	+1.7	+1.3	+0.9	8,685	8,639	8,554	7,927	+9.6
34	Fabricated metal products	23,521	23,496	23,266	+0.1	+1.0	+1.5	23,213	23,297	23,141	22,193	+4.6
35	Machinery, except electrical	45,975	45,797	45,123	+0.4	+1.5	+1.6	45,801	45,416	45,293	41,188	+11.2
351	Engines and turbines	3,058	3,004	2,942	+1.8	+2.1	+1.8	3,136	3,031	3,003	2,733	+14.7
353	Construction, mining, and material handling equipment	7,328	7,263	7,238	+0.9	+0.3	+0.8	7,328	7,213	7,222	6,440	+13.8
354	Metalworking machinery	3,087	3,152	3,073	-2.1	+2.6	+9.6	3,087	3,140	3,111	2,680	+15.2
357	Office and computing machines	11,960	11,784	11,610	+1.5	+1.5	+0.7	11,960	11,710	11,838	10,432	+14.6
36	Electrical machinery	40,050	39,797	39,791	+0.6	0.0	+1.1	39,984	39,850	40,268	38,941	+2.7
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,069	5,083	5,043	-0.3	+0.8	+0.8	5,018	5,069	5,075	4,863	+3.2
363	Household appliances	2,755	2,734	2,818	+0.8	-3.0	+1.5	2,617	2,569	2,744	2,675	-2.2
365	Radio and TV	1,416	1,380	1,371	+2.6	+0.7	-2.6	1,402	1,407	1,469	1,492	-6.0
366	Communication equipment	16,063	16,042	16,143	+0.1	-0.6	+1.8	16,200	16,211	16,382	16,532	-2.0
367	Electronic components	8,564	8,468	8,407	+1.1	+0.7	+1.4	8,564	8,472	8,516	7,636	+12.2
364,9	Other electrical machinery	6,183	6,090	6,009	+1.5	+1.3	-0.3	6,183	6,122	6,082	5,743	+7.7
37	Transportation equipment	61,482	60,933	60,621	+0.9	+0.5	-1.0	62,355	61,511	61,031	56,729	+9.9
371	Motor vehicles and parts	11,629	11,568	11,618	+0.5	-0.4	+0.6	11,698	11,647	11,576	11,327	+3.3
372,6	Aircraft, missiles, and parts	45,478	45,105	44,799	+0.8	+0.7	-1.4	46,249	45,584	45,307	41,499	+11.4
3731,95	Shipbuilding and military tank vehicles	2,255	2,151	2,166	+4.8	-0.7	+3.0	2,341	2,189	2,161	2,029	+15.4
38	Instruments and related products	13,641	13,513	13,455	+0.9	+0.4	+1.4	13,623	13,521	13,575	12,529	+8.7
381-4	Scientific and engineering instruments	9,957	9,877	9,882	+0.8	-0.1	+1.2	9,957	9,899	9,904	9,226	+7.9
386	Photographic goods	3,074	3,034	2,990	+1.3	+1.5	+2.0	3,074	3,009	3,066	2,650	+16.0
24,25, 39	All other durable goods	17,913	17,745	17,805	+0.9	-0.3	-1.5	17,452	17,461	17,682	16,585	+5.2
	Nondurable goods industries	119,896	119,571	119,198	+0.3	+0.3	+0.7	119,560	118,573	119,309	112,727	+6.1
	With unfilled orders	30,297	30,237	30,104	+0.2	+0.4	+1.1	29,747	30,116	30,503	27,397	+8.6
20	Food and kindred products	25,820	25,742	25,688	+0.3	+0.2	+0.5	27,045	25,971	25,860	25,724	+5.1
202	Dairy products	2,283	2,283	2,249	0.0	+1.5	-1.1	2,306	2,268	2,282	2,231	+3.4
208	Beverages	4,493	4,500	4,412	-0.2	+2.0	+0.4	4,448	4,435	4,317	4,541	-2.0
203-6,9	All other foods	14,668	14,638	14,708	+0.2	-0.5	+0.6	15,841	15,332	15,213	15,359	+3.1
21	Tobacco products	5,814	5,763	5,848	+0.9	-1.5	+1.1	5,872	5,574	5,425	5,721	+2.6
22	Textile mill products	7,614	7,545	7,737	+0.9	-2.5	-0.1	7,408	7,408	7,735	7,306	+1.4
221-4,6, 8,9	Broadwoven fabrics	4,427	4,402	4,527	+0.6	-2.8	+0.2	4,294	4,314	4,489	4,253	+1.0
26	Paper and allied products	11,848	11,775	11,647	+0.6	+1.1	+1.0	11,544	11,537	11,570	10,711	+7.8
261-3,6	Pulp, paper etc.	4,205	4,185	4,116	+0.5	+1.7	+1.9	4,080	4,068	4,050	3,678	+10.9
265	Paperboard containers	3,242	3,240	3,221	+0.1	+0.6	-0.4	3,145	3,188	3,209	2,891	+8.8
264	All other paper products	4,401	4,350	4,310	+1.2	+0.9	+1.2	4,319	4,281	4,311	4,142	+4.3
28	Chemicals and allied products	27,081	26,882	26,544	+0.7	+1.3	+1.5	26,734	26,338	26,461	24,302	+10.0
281,6	Industrial chemicals, except pigments	7,063	6,987	6,875	+1.1	+1.6	+0.7	6,992	6,938	6,910	6,350	+10.1
283,4	Drugs, soaps, and toiletries	9,548	9,544	9,468	0.0	+0.8	+1.3	9,453	9,299	9,541	8,538	+10.7
282,9	Other chemical products	6,900	6,743	6,643	+2.3	+1.5	+2.5	6,693	6,576	6,559	5,858	+14.3
29	Petroleum and coal products	9,158	9,336	9,518	-1.9	-1.9	-3.3	9,295	9,341	9,499	10,239	-9.2
30	Rubber and plastics products	10,249	10,089	9,847	+1.6	+2.5	+1.6	9,907	9,896	9,798	8,669	+14.3
23,27, 31	All other nondurable goods	22,312	22,439	22,369	-0.6	+0.3	+1.5	21,755	22,508	22,961	20,055	+8.5
	Market categories:											
	Home goods and apparel	26,516	26,478	26,662	+0.1	-0.7	+0.4	25,628	26,038	26,989	25,362	+1.0
	Consumer staples	44,409	44,282	44,157	+0.3	+0.3	+0.8	45,427	44,412	44,290	42,954	+5.8
	Equipment and defense products, except automotive	102,591	101,871	101,110	+0.7	+0.8	+0.4	103,122	101,846	101,562	94,942	+8.6
	Automotive equipment	14,585	14,415	14,411	+1.2	0.0	0.0	14,508	14,426	14,297	13,811	+5.0
	Construction materials, supplies and intermediate products	25,397	25,184	25,142	+0.8	+0.2	-0.2	24,655	24,692	24,850	23,206	+6.2
	Other materials, supplies, and intermediate products	136,410	135,555	134,316	+0.6	+0.9	+0.9	135,656	134,974	134,842	125,024	+8.5
	Supplementary series:[2]											
	Capital goods industries	118,464	117,620	116,653	+0.7	+0.8	+0.4	119,332	118,004	117,720	109,442	+9.0
	Nondefense	83,150	82,781	82,582	+0.4	+0.2	+1.4	83,495	82,769	83,210	75,913	+10.0
	Excluding aircraft and parts	63,397	63,013	62,185	+0.6	+1.3	+1.3	63,313	62,742	62,617	57,753	+9.6
	Defense	35,314	34,839	34,071	+1.4	+2.3	-2.1	35,837	35,235	34,510	33,529	+6.9
	Household durable goods industries	12,686	12,614	12,620	+0.6	0.0	-0.3	12,388	12,400	12,804	12,563	-1.4

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change
		End of month			Percent change			End of month				
		Oct. 1988[p]	Sept. 1988[r]	Aug. 1988	Sept.-Oct.[p]	Aug.-Sept.[r]	July-Aug.	Oct. 1988[p]	Sept. 1988[r]	Aug. 1988	Oct. 1987[r]	Oct. 88/87[p]
	MATERIALS AND SUPPLIES											
	All manufacturing industries	113,152	112,617	111,929	+0.5	+0.6	+1.3	112,319	112,055	111,767	103,732	+8.3
	Durable goods industries	65,437	65,253	64,998	+0.3	+0.4	+1.3	65,282	65,482	65,354	60,391	+8.1
32	Stone, clay, and glass products	2,411	2,409	2,398	+0.1	+0.5	-0.3	2,389	2,403	2,423	2,235	+6.9
33	Primary metals	6,120	6,148	6,132	-0.5	+0.3	+1.0	6,246	6,236	6,152	5,467	+14.2
34	Fabricated metal products	8,449	8,430	8,578	+0.2	-1.7	+2.5	8,319	8,454	8,618	7,813	+6.5
35	Machinery, except electrical	13,138	13,062	12,757	+0.6	+2.4	+1.9	13,110	13,028	12,851	11,680	+12.2
36	Electrical machinery	11,094	10,799	10,713	+2.7	+0.8	+2.2	10,912	10,814	10,848	10,099	+8.1
37	Transportation equipment	12,675	12,968	12,988	-2.3	-0.2	+1.9	12,708	13,077	13,027	12,471	+1.9
38	Instruments and related products	4,666	4,586	4,519	+1.7	+1.5	+2.6	4,646	4,612	4,584	4,130	+12.5
24,25, 39	All other durable goods	6,884	6,851	6,913	+0.5	-0.9	-3.1	6,952	6,858	6,851	6,496	+7.0
	Nondurable goods industries	47,715	47,364	46,931	+0.7	+0.9	+1.3	47,037	46,573	46,413	43,341	+8.5
20	Food and kindred products	9,362	9,422	9,275	-0.6	+1.6	+2.7	9,485	8,959	8,873	8,827	+7.5
21	Tobacco products	4,539	4,405	4,425	+3.0	-0.5	+0.2	4,329	4,235	4,107	4,515	-4.1
22	Textile mill products	2,335	2,332	2,343	+0.1	-0.5	-0.8	2,214	2,278	2,329	2,136	+3.7
26	Paper and allied products	6,549	6,511	6,447	+0.6	+1.0	+1.8	6,416	6,455	6,395	5,698	+12.6
28	Chemicals and allied products	9,731	9,576	9,492	+1.6	+0.9	+2.2	9,679	9,559	9,570	8,532	+13.4
29	Petroleum and coal products	2,292	2,334	2,369	-1.8	-1.5	-2.4	2,258	2,275	2,334	2,520	-10.4
30	Rubber and plastics products	4,179	4,089	3,958	+2.2	+3.3	+1.5	4,084	4,023	3,923	3,367	+21.3
23,27, 31	All other nondurable goods	8,728	8,695	8,622	+0.4	+0.8	+0.3	8,572	8,789	8,882	7,746	+10.7
	WORK IN PROCESS											
	All manufacturing industries	124,349	123,550	123,090	+0.6	+0.4	-0.3	125,565	124,507	124,079	117,540	+6.8
	Durable goods industries	105,326	104,440	103,927	+0.8	+0.5	-0.3	106,399	105,387	104,881	98,978	+7.5
32	Stone, clay, and glass products	1,121	1,121	1,117	0.0	+0.4	-0.1	1,073	1,109	1,122	1,025	+4.7
33	Primary metals	8,191	7,962	7,759	+2.9	+2.6	+1.9	8,122	7,979	7,815	6,940	+17.0
34	Fabricated metal products	8,503	8,285	8,159	+2.6	+1.5	+2.0	8,491	8,308	8,100	7,981	+6.4
35	Machinery, except electrical	17,729	17,942	17,738	-1.2	+1.2	+0.7	17,887	18,092	17,868	17,116	+4.5
36	Electrical machinery	19,375	19,606	19,672	-1.2	-0.3	+0.3	19,715	19,810	19,999	19,967	-1.3
37	Transportation equipment	41,601	40,763	40,655	+2.1	+0.3	-2.0	42,335	41,351	41,103	37,590	+12.6
38	Instruments and related products	5,249	5,249	5,282	0.0	-0.6	+0.3	5,274	5,269	5,306	4,875	+8.2
24,25, 39	All other durable goods	3,557	3,512	3,545	+1.3	-0.9	-0.2	3,502	3,469	3,568	3,484	+.5
	Nondurable goods industries	19,023	19,110	19,163	-0.5	-0.3	-0.3	19,166	19,120	19,198	18,562	+3.3
20	Food and kindred products	2,714	2,747	2,578	-1.2	+6.6	-4.2	2,769	2,733	2,575	2,670	+3.7
21	Tobacco products	223	250	268	-10.8	-6.7	+6.3	359	285	211	179	+100.6
22	Textile mill products	2,316	2,274	2,325	+1.8	-2.2	-2.3	2,307	2,256	2,304	2,227	+3.6
26	Paper and allied products	1,271	1,288	1,296	-1.3	-0.6	-0.4	1,270	1,292	1,321	1,245	+2.0
28	Chemicals and allied products	4,210	4,133	4,192	+1.9	-1.4	+1.1	4,234	4,183	4,247	3,836	+10.4
29	Petroleum and coal products	2,403	2,450	2,476	-1.9	-1.1	-2.1	2,463	2,407	2,478	2,762	-10.8
30	Rubber and plastics products	1,375	1,385	1,421	-0.7	-2.5	+1.5	1,363	1,433	1,447	1,232	+10.6
23,27, 31	All other nondurable goods	4,511	4,583	4,607	-1.6	-0.5	+1.9	4,401	4,531	4,615	4,411	-.2
	FINISHED GOODS											
	All manufacturing industries	112,407	111,618	110,779	+0.7	+0.8	+0.9	111,112	109,826	110,984	104,027	+6.8
	Durable goods industries	59,249	58,521	57,675	+1.2	+1.5	+1.1	57,755	56,946	57,286	53,203	+8.6
32	Stone, clay, and glass products	3,990	3,859	3,778	+3.4	+2.1	+0.7	3,769	3,695	3,722	3,660	+3.0
33	Primary metals	5,597	5,434	5,355	+3.0	+1.5	+1.6	5,409	5,337	5,297	5,080	+6.5
34	Fabricated metal products	6,569	6,781	6,529	-3.1	+3.9	-0.5	6,403	6,535	6,423	6,399	+.1
35	Machinery, except electrical	15,108	14,793	14,628	+2.1	+1.1	+2.6	14,804	14,296	14,574	12,392	+19.5
36	Electrical machinery	9,581	9,392	9,406	+2.0	-0.1	+1.6	9,357	9,226	9,421	8,875	+5.4
37	Transportation equipment	7,206	7,202	6,978	+0.1	+3.2	0.0	7,312	7,083	6,901	6,668	+9.7
38	Instruments and related products	3,726	3,678	3,654	+1.3	+0.7	+1.4	3,703	3,640	3,685	3,524	+5.1
24,25, 39	All other durable goods	7,472	7,382	7,347	+1.2	+0.5	-0.6	6,998	7,134	7,263	6,605	+6.0
	Nondurable goods industries	53,158	53,097	53,104	+0.1	0.0	+0.7	53,357	52,880	53,698	50,824	+5.0
20	Food and kindred products	13,744	13,573	13,835	+1.3	-1.9	0.0	14,791	14,279	14,412	14,227	+4.0
21	Tobacco products	1,052	1,108	1,155	-5.1	-4.1	+3.5	1,184	1,054	1,107	1,027	+15.3
22	Textile mill products	2,963	2,939	3,069	+0.8	-4.2	+2.2	2,887	2,874	3,102	2,943	-1.9
26	Paper and allied products	4,028	3,976	3,904	+1.3	+1.8	+0.2	3,858	3,790	3,854	3,768	+2.4
28	Chemicals and allied products	13,140	13,173	12,860	-0.3	+2.4	+1.1	12,821	12,596	12,644	11,934	+7.4
29	Petroleum and coal products	4,463	4,552	4,673	-2.0	-2.6	-4.3	4,574	4,659	4,687	4,957	-7.7
30	Rubber and plastics products	4,695	4,615	4,468	+1.7	+3.3	+1.8	4,460	4,440	4,428	4,070	+9.6
23,27, 31	All other nondurable goods	9,073	9,161	9,140	-1.0	+0.2	+2.5	8,782	9,188	9,464	7,898	+11.2

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Oct. 1988P	Sept. 1988r	Aug. 1988	July 1988	Oct. 1988P	Sept. 1988r	Aug. 1988	July 1988
	All manufacturing industries	1.57	1.57	1.56	1.59	3.70	3.66	3.68	3.73
	Durable goods industries	1.94	1.93	1.92	1.99	4.49	4.43	4.46	4.55
32	Stone, clay, and glass products	1.39	1.37	1.34	1.42	1.17	1.18	1.18	1.24
33	Primary metals	1.62	1.58	1.61	1.62	2.08	2.06	2.11	2.18
34	Fabricated metal products	1.95	1.95	1.96	1.99	2.60	2.62	2.65	2.79
35	Machinery, except electrical	2.20	2.16	2.10	2.14	2.97	2.94	2.89	2.92
36	Electrical machinery	2.11	2.06	2.08	2.07	4.86	4.78	4.87	4.91
37	Transportation equipment	1.99	2.03	1.98	2.25	11.37	11.26	11.29	12.12
38	Instruments and related products	2.24	2.20	2.22	2.11	2.29	2.24	2.28	2.22
	Nondurable goods industries	1.15	1.16	1.15	1.14	0.79	0.79	0.79	0.79
20	Food and kindred products	0.85	0.85	0.85	0.84	(X)	(X)	(X)	(X)
21	Tobacco products	3.09	2.85	3.17	3.48	(X)	(X)	(X)	(X)
22	Textile mill products	1.59	1.49	1.56	1.57	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.11	1.12	1.10	1.10	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.29	1.33	1.28	1.28	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.89	0.91	0.90	0.91	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.30	1.28	1.25	1.30	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Oct. 1987	All Octs. 1983-1987	Oct. 1987-Sept. 1988	Year ago Oct. 1987	All Octs. 1983-1987	Oct. 1987-Sept. 1988	Year ago Oct. 1987	All Octs. 1983-1987	Oct. 1987-Sept. 1988	Year ago Oct. 1987	All Octs. 1983-1987	Oct. 1987-Sept. 1988
	All manufacturing industries	0.1	0.2	0.2	0.1	0.2	0.3	0.0	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.1	0.4	0.2	0.1	0.4	0.4	0.0	0.1	0.1	0.0	0.1	0.1
32	Stone, clay, and glass products	0.2	1.1	0.6	0.1	1.1	0.4	0.4	0.6	0.5	0.1	0.1	0.2
33	Primary metals	0.7	0.4	0.5	0.3	0.4	1.0	0.2	0.1	0.3	0.0	0.4	0.4
34	Fabricated metal products	0.8	1.0	0.5	1.0	0.9	0.8	0.1	0.2	0.3	0.3	0.6	0.1
35	Machinery, except electrical	0.5	0.6	0.7	1.0	0.8	1.0	0.2	0.2	0.3	0.1	0.2	0.2
36	Electrical machinery	0.2	0.4	0.5	0.3	0.6	0.7	0.0	0.1	0.1	0.1	0.3	0.2
37	Transportation equipment	0.0	0.1	0.2	0.0	1.1	0.4	0.0	0.2	0.1	0.0	0.0	0.1
38	Instruments and related products	0.5	0.8	0.8	0.2	0.7	1.1	0.2	0.3	0.4	0.2	0.4	0.2
	Nondurable goods industries	0.2	0.1	0.2	0.2	0.1	0.3	0.2	0.5	0.6	0.0	0.2	0.1
20	Food and kindred products	0.7	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6	0.3
21	Tobacco products	0.0	0.0	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
22	Textile mill products	1.1	0.8	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.4	0.6
26	Paper and allied products	0.1	0.6	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.2	0.2
28	Chemicals and allied product	0.1	0.8	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.2
29	Petroleum and coal products	0.1	0.4	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.6
30	Rubber and plastics products	1.5	0.8	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.3
	Capital goods industries:												
	Nondefense	0.7	0.5	0.4	1.2	0.8	0.7	0.1	0.2	0.1	0.0	0.1	0.1
	Defense	0.0	0.5	0.7	0.2	2.3	1.6	0.1	0.2	0.1	0.0	0.3	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C3.158:
M3-1-(88)-11

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

November 1988
M3-1-(88)-11
For Wire Transmission 10:00 a.m. E.S.T. Wednesday, January 4, 1989

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in November increased $0.6 billion or 0.3 percent to $227.7 billion. Orders reached a high in June at $228.1 billion, but have been somewhat volatile since then, averaging $224.9 billion per month.

Shipments of manufactured goods were up $1.2 billion or 0.5 percent in November to $224.1 billion, following a 0.7 percent increase in October. Unfilled orders in November were up $3.6 billion or 0.8 percent to $460.9 billion, as incoming orders continue to exceed shipments. Since June when new orders peaked, unfilled orders have continued to grow an average of $3.5 billion per month.

Manufacturers' inventories in November increased $1.4 billion or 0.4 percent to $350.9 billion. This is the smallest one-month increase since the 0.4 percent increase in April. The inventory to shipments ratio for the last three months has been flat at 1.57.

New Orders

Although total new orders were up slightly in November, the specific major industries showed more significant changes. Within durables, the largest increase was in electrical machinery, up $1.6 billion or 8.3 percent to $20.5 billion; most of the increase was in defense communication equipment. The largest decline was in transportation equipment, down $2.1 billion or 6.1 percent to $32.8 billion; virtually all categories except commercial aircraft declined.

Within nondurables, the largest increases were in chemicals and textile mill products, while the largest declines were in petroleum products and apparel.

Shipments

The increase in shipments in November was concentrated in the durable goods sector, up $1.0 billion or 0.8 percent to $119.4 billion. Most of the major industries had small increases. Primary metals were up $0.3 billion or 2.6 percent; fabricated metals, $0.3 billion or 2.1 percent; stone, clay and glass products, $0.2 billion or 3.6 percent; and electrical machinery, $0.1 billion or 0.7 percent. Transportation equipment was flat, while nonelectrical machinery declined $0.2 billion or 1.0 percent.

Shipments of nondurables were up $0.2 billion or 0.2 percent to $104.7 billion. The largest increases were in chemicals, textiles, tobacco and paper; the largest declines were in petroleum, apparel and printing, and publishing.

Unfilled Orders

Unfilled orders for durable goods in November were up $3.3 billion or 0.8 percent to $440.1 billion. Over half of the increase was in transportation equipment, up $1.9 billion or 0.9 percent; a large gain in commercial aircraft was partially offset by declines in aircraft and shipbuilding. Electrical machinery was up $1.5 billion or 1.6 percent, with most of the increase for defense communication equipment.

Inventories

Inventories of durable goods were up $1.5 billion or 0.7 percent to $231.2 billion. The gain was concentrated in electrical machinery and transportation equipment. Nondurable inventories were relatively flat at $119.6 billion, although petroleum products declined 0.4 billion or 4.0 percent.

By stage of fabrication, work in process of durable goods increased 1.1 percent and finished goods 0.5 percent; materials and supplies were unchanged. For nondurables, materials and supplies were up 0.3 percent; work in process down 0.2 percent, and finished goods down 0.4 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for January 26, 1989 at 8:30 a.m. and the full report on February 3, 1989 at 10:00 a.m.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
FEB 10 1989
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Nov. 1988P	Oct. 1988r	Sept. 1988	Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Nov. 1988P	Oct. 1988r	Sept. 1988	Nov. 1987r	Nov. 88/87	1988P	1987r
	All manufacturing industries	224,135	222,917	221,395	+0.5	+0.7	-0.1	222,584	229,541	234,386	204,204	+9.0	2,385,304	2,187,184
	Manufacturing industries with unfilled orders	124,176	123,472	123,757	+0.6	-0.2	+0.7	124,059	126,925	131,908	113,552	+9.3	1,319,039	1,199,724
	Durable goods industries	119,439	118,439	118,030	+0.8	+0.3	+0.1	118,499	122,606	125,058	107,526	+10.2	1,265,592	1,154,502
	With unfilled orders	97,775	97,164	97,628	+0.6	-0.5	+1.0	97,460	99,466	104,359	88,407	+10.2	1,034,938	936,498
32	Stone, clay, and glass products	5,638	5,442	5,399	+3.6	+0.8	-0.7	5,564	5,745	5,852	5,241	+6.2	59,286	57,493
33	Primary metals	12,692	12,369	12,334	+2.6	+0.3	+2.9	12,314	12,614	12,614	10,672	+15.4	130,406	106,327
331	Blast furnaces, steel mills	5,210	5,151	5,211	+1.1	-1.2	+2.4	4,955	5,187	5,193	4,710	+5.2	56,124	46,151
332	Iron and steel foundries	879	885	952	-0.7	-7.0	+7.8	888	960	934	823	+7.9	9,566	8,917
333-9	Nonferrous and other primary metals	6,603	6,333	6,171	+4.3	+2.6	+2.6	6,471	6,467	6,487	5,139	+25.9	64,716	51,259
34	Fabricated metal products	12,381	12,123	12,049	+2.1	+0.6	+1.5	12,041	12,736	12,696	10,999	+9.5	132,139	124,615
35	Machinery, except electrical	20,764	20,970	21,224	-1.0	-1.2	-1.2	19,989	20,841	23,111	17,945	+11.4	223,331	195,759
351	Engines and turbines	1,355	1,397	1,418	-3.0	-1.5	-4.4	1,352	1,306	1,476	1,301	+3.9	14,355	12,858
353	Construction, mining, and material handling equipment	2,437	2,517	2,545	-3.2	-1.1	-0.9	2,437	2,492	2,559	2,360	+3.3	27,491	23,512
354	Metalworking machinery	990	924	921	+7.1	+0.3	-10.9	1,039	1,010	1,035	903	+15.1	10,213	8,718
357	Office and computing machines	5,488	5,653	5,777	-2.9	-2.1	-1.2	5,488	5,102	7,327	5,130	+7.0	59,909	53,956
36	Electrical machinery	19,062	18,931	19,354	+0.7	-2.2	+1.2	19,647	19,222	21,239	18,708	+5.0	206,415	191,708
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,405	2,444	2,368	-1.6	+3.2	+3.3	2,386	2,456	2,611	2,221	+7.4	25,220	23,717
363	Household appliances	1,467	1,462	1,570	+0.3	-6.9	+0.4	1,379	1,521	1,759	1,407	-2.0	16,722	16,664
365	Radio and TV	1,085	1,025	1,056	+5.9	-2.9	-0.4	1,226	1,198	1,343	1,135	+8.0	10,723	10,637
366	Communication equipment	6,066	6,087	6,244	-0.3	-2.5	+2.1	6,268	5,862	6,777	6,143	+2.0	66,523	63,542
367	Electronic components	4,547	4,678	4,752	-2.8	-1.6	+2.1	4,547	4,637	5,017	4,244	+7.1	50,230	42,977
364,9	Other electrical machinery	3,492	3,235	3,364	+7.9	-3.8	-2.4	3,841	3,548	3,732	3,558	+8.0	36,997	34,171
37	Transportation equipment	30,908	30,924	29,960	-0.1	+3.2	-2.4	31,401	32,582	30,570	27,375	+14.7	320,001	295,813
371	Motor vehicles and parts	19,552	19,585	18,700	-0.2	+4.7	-3.4	20,046	21,348	19,156	17,067	+17.5	201,234	182,994
372,6	Aircraft, missiles, and parts	9,128	9,260	9,078	-1.4	+2.0	-1.9	9,294	9,122	9,262	8,658	+7.3	96,068	92,546
3731,95	Shipbuilding and military tank vehicles	867	837	934	+3.6	-10.4	+16.9	880	819	941	773	+13.8	9,260	8,923
38	Instruments and related products	5,940	6,057	6,147	-1.9	-1.5	+1.6	5,871	6,150	6,545	5,686	+3.3	65,903	60,946
381-4	Scientific and engineering instruments	3,987	4,096	4,186	-2.7	-2.2	+1.6	3,788	4,093	4,402	3,683	+2.9	44,473	40,721
386	Photographic goods	1,809	1,810	1,803	-0.1	+0.4	+1.7	1,936	1,886	1,976	1,801	+7.5	19,538	18,044
24,25, 39	All other durable goods	12,054	11,623	11,563	+3.7	+0.5	+3.0	11,672	12,716	12,431	10,900	+7.1	128,111	121,841
	Nondurable goods industries	104,696	104,478	103,365	+0.2	+1.1	-0.5	104,085	106,935	109,328	96,678	+7.7	1,119,712	1,032,682
	With unfilled orders	26,401	26,308	26,129	+0.4	+0.7	-0.4	26,599	27,459	27,549	25,145	+5.8	284,101	263,226
20	Food and kindred products	30,662	30,564	30,339	+0.3	+0.7	+0.2	30,662	31,339	32,455	27,716	+10.6	326,165	297,470
202	Dairy products	4,176	4,172	4,197	+0.1	-0.6	+1.6	4,134	4,107	4,273	3,956	+4.5	44,768	43,217
208	Beverages	4,114	3,904	4,034	+5.4	-3.2	+0.2	3,867	3,913	4,118	3,473	+11.3	44,097	41,493
203-6,9	All other foods	14,467	14,372	14,089	+0.7	+2.0	-0.6	14,756	14,838	15,756	12,746	+15.8	150,358	129,871
21	Tobacco products	2,172	1,911	2,021	+13.7	-5.4	+9.5	2,237	1,696	2,353	2,007	+11.5	19,769	17,613
22	Textile mill products	5,131	4,890	5,047	+4.9	-3.1	+1.8	5,134	5,243	5,599	4,874	+5.3	54,569	53,055
221-4,6, 8,9	Broadwoven fabrics	3,095	2,952	3,030	+4.8	-2.6	-0.7	3,033	3,069	3,398	3,020	+0.4	33,269	32,814
26	Paper and allied products	10,793	10,669	10,550	+1.2	+1.1	-0.2	10,419	10,727	10,782	9,360	+11.3	113,705	100,778
261-3,6	Pulp, paper etc.	4,850	4,761	4,711	+1.9	+1.1	0.0	4,707	4,725	4,703	4,079	+15.4	50,465	42,807
265	Paperboard containers	2,666	2,632	2,635	+1.3	-0.1	-0.3	2,559	2,704	2,751	2,237	+14.4	28,032	24,557
264	All other paper products	3,277	3,276	3,204	0.0	+2.2	-0.6	3,153	3,298	3,328	3,044	+3.6	35,208	33,414
28	Chemicals and allied products	21,287	20,948	20,144	+1.6	+4.0	-2.6	19,965	20,269	21,051	17,600	+13.4	219,940	194,652
281,6	Industrial chemicals, except pigments	6,122	5,987	5,772	+2.3	+3.7	+0.4	5,938	5,850	5,836	4,896	+21.3	61,918	54,435
283,4	Drugs, soaps, and toiletries	6,302	6,302	5,956	0.0	+5.8	-8.5	5,987	6,225	7,003	5,415	+10.6	66,660	61,319
282,9	Other chemical products	5,699	5,660	5,420	+0.7	+4.4	-0.6	5,528	5,654	5,541	5,062	+9.2	59,463	53,341
29	Petroleum and coal products	9,855	10,238	10,256	-3.7	-0.2	-2.7	10,097	10,430	10,365	10,699	-5.6	113,832	114,287
30	Rubber and plastics products	7,904	7,893	7,855	+0.1	+0.5	-0.5	7,813	8,335	8,159	6,942	+12.5	83,660	74,176
23,27, 31	All other nondurable goods	16,892	17,365	17,153	-2.7	+1.2	+0.4	17,758	18,896	18,564	17,480	+1.6	188,072	180,651
	Market categories:													
	Home goods and apparel	14,490	14,386	14,328	+0.7	+0.4	+1.8	14,988	15,954	16,326	14,241	+5.2	158,010	153,316
	Consumer staples	43,126	42,969	42,458	+0.4	+1.2	-0.9	43,356	43,729	46,141	39,751	+9.1	457,401	421,241
	Equipment and defense products, except automotive	36,282	36,395	37,042	-0.3	-1.7	+1.5	35,534	35,875	40,023	32,533	+9.2	389,965	351,982
	Automotive equipment	22,260	22,076	21,188	+0.8	+4.2	-3.2	22,521	24,055	21,733	19,056	+18.2	228,033	207,213
	Construction materials, supplies and intermediate products	17,439	17,113	17,045	+1.9	+0.4	+0.5	16,751	18,288	18,268	16,049	+4.4	188,710	177,850
	Other materials, supplies, and intermediate products	90,538	89,978	89,334	+0.6	+0.7	-0.1	89,434	91,640	91,895	82,574	+8.3	963,185	875,582
	Supplementary series:[2]													
	Capital goods industries	40,975	41,026	41,353	-0.1	-0.8	-0.2	41,157	40,795	44,647	37,994	+8.3	437,946	401,298
	Nondefense	32,425	32,595	32,523	-0.5	+0.2	+0.3	32,122	32,320	35,621	28,607	+12.3	343,425	302,778
	Excluding aircraft and parts	27,965	27,934	28,262	+0.1	-1.2	-0.3	27,744	27,897	31,250	25,195	+10.1	299,416	266,660
	Defense	8,550	8,431	8,830	+1.4	-4.5	-2.3	9,035	8,475	9,026	9,387	-3.7	94,521	98,520
	Household durable goods industries	6,919	6,671	6,638	+3.7	+0.5	+1.0	7,081	7,323	7,755	6,537	+8.3	72,950	69,973

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Nov. 1988[P]	Oct. 1988[r]	Sept. 1988	Oct.-Nov.[P]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1988[P]	Oct. 1988[r]	Sept. 1988	Nov. 1987[r]	Nov. 88/87	1988[P]	1987[r]
	All manufacturing industries	227,725	227,095	222,669	+0.3	+2.0	-1.9	224,440	231,583	234,757	206,442	+8.7	2,423,020	2 216,302
	Manufacturing industries with unfilled orders	127,766	127,650	125,031	+0.1	+2.1	-2.5	125,915	128,967	132,279	115,790	+8.7	1,356,755	1,228,842
	Durable goods industries	122,772	122,791	119,321	0.0	+2.9	-2.8	120,736	125,170	125,584	110,339	+9.4	1,302,817	1,179,696
	With unfilled orders	101,108	101,516	98,919	-0.4	+2.6	-2.7	99,697	102,030	104,885	91,220	+9.3	1,072,163	961,692
32	Stone, clay, and glass products	5,711	5,435	5,364	+5.1	+1.3	-2.8	5,639	5,588	5,766	5,251	+7.4	59,992	57,654
33	Primary metals	12,529	12,428	12,496	+0.8	-0.5	+6.0	12,093	12,370	12,205	10,847	+11.5	131,067	110,420
331	Blast furnaces, steel mills	4,913	4,730	5,301	+3.9	-10.8	+10.7	4,781	4,590	4,978	5,116	-6.5	54,705	48,164
332	Iron and steel foundries	871	903	974	-3.5	-7.3	+7.2	873	991	960	884	-1.2	9,849	9,084
333-9	Nonferrous and other primary metals	6,745	6,795	6,221	-0.7	+9.2	+2.0	6,439	6,789	6,267	4,847	+32.8	66,513	53,172
34	Fabricated metal products	12,155	12,026	12,007	+1.1	+0.2	+3.2	11,818	12,388	12,417	11,032	+7.1	130,510	125,932
35	Machinery, except electrical	21,123	21,181	21,459	-0.3	-1.3	-6.1	20,548	20,677	23,003	18,339	+12.0	230,736	200,267
351	Engines and turbines	1,350	1,399	1,593	-3.5	-12.2	+15.3	1,370	1,426	1,676	1,345	+1.9	14,483	13,302
353	Construction, mining, and material handling equipment	2,337	2,722	2,614	-14.1	+4.1	-3.8	2,391	2,683	2,658	2,419	-1.2	28,338	23,785
354	Metalworking machinery	1,222	1,025	1,010	+19.2	+1.5	-11.0	1,245	955	1,134	858	+45.1	12,127	8,716
357	Office and computing machines	5,475	5,514	5,225	-0.7	+5.5	-16.1	5,546	4,867	6,455	5,105	+8.6	59,961	54,030
36	Electrical machinery	20,549	18,977	18,629	+8.3	+1.9	-2.1	19,839	19,185	20,939	18,880	+5.1	206,928	193,387
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,339	2,609	2,267	-10.3	+15.1	-10.6	2,316	2,601	2,490	2,228	+3.9	25,743	24,067
366	Communication equipment	7,671	6,080	5,584	+26.2	+8.9	-5.6	7,059	6,088	6,795	6,234	+13.2	65,690	63,598
367	Electronic components	4,417	4,367	4,823	+1.1	-9.5	+8.9	4,152	4,154	4,807	4,379	-5.2	50,366	44,237
364,9	Other electrical machinery	3,551	3,414	3,359	+4.0	+1.6	-3.8	3,742	3,725	3,738	3,544	+5.6	37,631	34,400
37	Transportation equipment	32,765	34,898	31,617	-6.1	+10.4	-8.9	33,732	36,378	32,788	29,894	+12.8	348,960	306,694
372,6	Aircraft, missiles, and parts	11,159	12,005	11,504	-7.0	+4.4	-9.0	11,794	11,725	11,887	10,041	+17.5	119,112	100,967
3731,95	Shipbuilding and military tank vehicles	691	2,109	-60	-67.2	(N)	-104.4	721	2,082	417	1,966	-63.3	14,725	10,549
38	Instruments and related products	6,068	6,252	6,104	-2.9	+2.4	+3.2	5,936	6,250	6,437	5,603	+5.9	66,410	61,870
381-4	Scientific and engineering instruments	4,069	4,291	4,101	-5.2	+4.6	+2.7	3,879	4,270	4,246	3,738	+3.8	45,009	41,489
24,25, 39	All other durable goods	11,872	11,594	11,644	+2.4	-0.4	+2.5	11,131	12,334	12,029	10,493	+6.1	128,214	123,472
	Nondurable goods industries	104,953	104,304	103,348	+0.6	+0.9	-0.8	103,704	106,413	109,173	96,103	+7.9	1,120,203	1,036,606
	With unfilled orders	26,658	26,134	26,112	+2.0	+0.1	-1.8	26,218	26,937	27,394	24,570	+6.7	284,592	267,150
	Market categories:													
	Home goods and apparel	14,399	14,264	14,502	+0.9	-1.6	+2.3	14,264	15,221	15,974	13,723	+3.9	157,920	155,311
	Consumer staples	43,118	42,936	42,456	+0.4	+1.1	-1.0	43,356	43,660	46,123	39,764	+9.0	457,523	421,106
	Equipment and defense products, except automotive	40,369	39,164	36,343	+3.1	+7.8	-7.5	39,805	38,167	40,316	36,105	+10.2	414,337	366,675
	Automotive equipment	22,345	22,063	21,200	+1.3	+4.1	-2.4	22,594	24,015	21,636	19,008	+18.9	227,453	207,553
	Construction materials, supplies and intermediate products	17,424	17,190	17,001	+1.4	+1.1	-0.1	16,696	18,098	18,023	16,144	+3.4	189,258	177,560
	Other materials, supplies, and intermediate products	90,070	91,478	91,167	-1.5	+0.3	-0.8	87,725	92,422	92,685	81,698	+7.4	976,529	888,097
	Supplementary series:[2]													
	Capital goods industries	44,579	45,318	42,330	-1.6	+7.1	-9.6	44,550	44,799	46,619	41,205	+8.1	472,896	418,645
	Nondefense	35,669	34,623	34,858	+3.0	-0.7	-10.2	35,267	34,036	37,803	30,643	+15.1	376,984	320,170
	Excluding aircraft and parts	28,305	28,752	28,628	-1.6	+0.4	-6.2	27,985	28,403	31,463	25,815	+8.4	309,061	272,691
	Defense	8,910	10,695	7,471	-16.7	+43.2	-7.0	9,283	10,763	8,816	10,562	-12.1	95,912	98,475
	Household durable goods industries	6,757	6,590	6,786	+2.5	-2.9	+1.8	6,519	6,789	7,469	6,173	+5.6	72,887	70,778

[P]Preliminary. [r]Revised. (N) When new orders for a prior month are negative because of cancellations or as a result of seasonal adjustment, the percentage change calculation is algebraically negative even though there is a net dollar increase from the prior month to the current month.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Nov. 1988P	Oct. 1988F	Sept. 1988	Percent change: Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Not seasonally adjusted[1]: End of month: Nov. 1988P	Oct. 1988F	Sept. 1988	Nov. 1987F	Percent change: Nov. 88/87P
	All manufacturing industries	460,871	457,281	453,103	+0.8	+0.9	+0.3	453,714	451,858	449,816	411,564	+10.2
	Durable goods industries	440,067	436,734	432,382	+0.8	+1.0	+0.3	433,788	431,551	428,987	392,013	+10.7
32	Stone, clay, and glass products	5,962	5,889	5,896	+1.2	-0.1	-0.6	5,783	5,708	5,865	5,228	+10.6
33	Primary metals	25,310	25,473	25,414	-0.6	+0.2	+0.6	23,839	24,060	24,304	21,773	+9.5
331	Blast furnaces, steel mills	10,713	11,010	11,431	-2.7	-3.7	+0.8	10,006	10,180	10,777	10,526	-4.9
332	Iron and steel foundries	2,236	2,244	2,226	-0.4	+0.8	+1.0	2,214	2,229	2,198	1,966	+12.6
333-9	Nonferrous and other primary metals	12,361	12,219	11,757	+1.2	+3.9	+0.4	11,619	11,651	11,329	9,281	+25.2
34	Fabricated metal products	28,314	28,540	28,637	-0.8	-0.3	-0.1	28,020	28,243	28,591	29,477	-4.9
35	Machinery, except electrical	59,706	59,347	59,136	+0.6	+0.4	+0.4	59,396	58,837	59,001	52,063	+14.1
351	Engines and turbines	5,255	5,260	5,258	-0.1	0.0	+3.4	5,450	5,432	5,312	5,560	-2.0
353	Construction, mining, and material handling equipment	7,980	8,080	7,875	-1.2	+2.6	+0.9	7,900	7,946	7,755	6,591	+19.9
354	Metalworking machinery	4,604	4,372	4,271	+5.3	+2.4	+2.1	4,650	4,444	4,499	2,863	+62.4
357	Office and computing machines	13,568	13,581	13,720	-0.1	-1.0	-3.9	13,568	13,510	13,745	14,065	-3.5
36	Electrical machinery	94,005	92,518	92,472	+1.6	0.0	-0.8	92,657	92,465	92,502	92,076	+.6
361,2	Electrical transmission and distribution equipment and industrial apparatus	6,930	6,996	6,831	-0.9	+2.4	-1.5	6,909	6,979	6,834	6,496	+6.4
366	Communication equipment	66,191	64,586	64,593	+2.5	0.0	-1.0	65,529	64,738	64,512	66,353	-1.2
367	Electronic components	15,082	15,212	15,523	-0.9	-2.0	+0.5	14,479	14,874	15,357	14,233	+1.7
364,9	Other electrical machinery	4,796	4,737	4,558	+1.2	+3.9	-0.1	4,748	4,847	4,670	3,977	+19.4
37	Transportation equipment	205,507	203,650	199,676	+0.9	+2.0	+0.8	203,668	201,337	197,541	171,031	+19.1
372,6	Aircraft, missiles, and parts	170,152	168,121	165,376	+1.2	+1.7	+1.5	168,450	165,950	163,347	141,087	+19.4
3731,95	Shipbuilding and military tank vehicles	24,205	24,381	23,109	-0.7	+5.5	-4.1	24,244	24,403	23,140	19,728	+22.9
38	Instruments and related products	14,092	13,964	13,769	+0.9	+1.4	-0.3	14,005	13,940	13,840	13,364	+4.8
381-4	Scientific and engineering instruments	13,096	13,014	12,819	+0.6	+1.5	-0.7	13,096	13,005	12,8.8	12,389	+5.7
24,25, 39	All other durable goods	7,171	7,353	7,382	-2.5	-0.4	+1.1	6,420	6,961	7,343	7,001	-8.3
	Nondurable goods industries	20,804	20,547	20,721	+1.3	-0.8	-0.1	19,926	20,307	20,829	19,551	+1.9
	Market categories:											
	Home goods and apparel	8,082	8,173	8,295	-1.1	-1.5	+2.1	6,988	7,712	8,445	7,843	-10.9
	Consumer staples	840	848	881	-0.9	-3.7	-0.2	790	790	859	606	+30.4
	Equipment and defense products, except automotive	278,746	274,659	271,890	+1.5	+1.0	-0.3	276,564	272,293	270,001	248,526	+11.3
	Automotive equipment	8,799	8,714	8,727	+1.0	-0.1	+0.1	8,623	8,550	8,590	9,069	-4.9
	Construction materials, supplies and intermediate products	15,512	15,527	15,450	-0.1	+0.5	-0.3	15,143	15,198	15,388	14,505	+4.4
	Other materials, supplies, and intermediate products	148,892	149,360	147,860	-0.3	+1.0	+1.3	145,606	147,315	146,533	131,015	+11.1
	Supplementary series:[2]											
	Capital goods industries	338,531	334,927	330,635	+1.1	+1.3	+0.3	335,932	332,539	328,535	297,698	+12.8
	Nondefense	172,815	169,571	167,543	+1.9	+1.2	+1.4	172,419	169,274	167,558	135,964	+26.8
	Excluding aircraft and parts	87,753	87,413	86,595	+0.4	+0.9	+0.4	87,357	87,116	86,610	77,541	+12.7
	Defense	165,716	165,356	163,092	+0.2	+1.4	-0.8	163,513	163,265	160,977	161,734	+1.1
	Household durable goods industries	5,722	5,884	5,965	-2.8	-1.4	+2.5	4,884	5,446	5,980	5,527	-11.6

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Nov. 1988P	Oct. 1988r	Sept. 1988	Percent change: Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Not seasonally adjusted[1]: End of month: Nov. 1988P	Oct. 1988r	Sept. 1988	Nov. 1987r	Percent change: Nov. 88/87P
	All manufacturing industries	350,852	349,412	347,785	+0.4	+0.5	+0.6	349,576	348,699	346,388	327,519	+6.7
	Manufacturing industries with unfilled orders	243,602	241,922	240,695	+0.7	+0.5	+0.7	242,155	241,558	240,686	224,848	+7.7
	Durable goods industries	231,239	229,735	228,214	+0.7	+0.7	+0.7	230,323	229,283	227,815	214,125	+7.6
	With unfilled orders	213,178	211,676	210,458	+0.7	+0.6	+0.8	212,458	211,828	210,570	197,295	+7.7
32	Stone, clay, and glass products	7,431	7,551	7,389	-1.6	+2.2	+1.3	7,230	7,245	7,207	6,977	+3.6
33	Primary metals	19,999	19,825	19,544	+0.9	+1.4	+1.5	19,961	19,764	19,552	17,818	+12.0
331	Blast furnaces, steel mills	9,703	9,677	9,551	+0.3	+1.3	+2.1	9,897	9,810	9,667	8,514	+16.2
332	Iron and steel foundries	1,323	1,303	1,283	+1.5	+1.6	-1.1	1,270	1,250	1,246	1,240	+2.4
333-9	Nonferrous and other primary metals	8,973	8,845	8,710	+1.4	+1.5	+1.3	8,794	8,704	8,639	8,064	+9.1
34	Fabricated metal products	23,374	23,430	23,496	-0.2	-0.3	+1.0	23,099	23,165	23,297	22,248	+3.8
35	Machinery, except electrical	46,020	45,992	45,797	+0.1	+0.4	+1.5	46,042	45,836	45,416	41,494	+11.0
351	Engines and turbines	3,104	3,055	3,004	+1.6	+1.7	+2.1	3,186	3,132	3,031	2,712	+17.5
353	Construction, mining, and material handling equipment	7,464	7,407	7,263	+0.8	+2.0	+0.3	7,464	7,379	7,213	6,476	+15.3
354	Metalworking machinery	2,951	3,098	3,152	-4.7	-1.7	+2.6	2,951	3,098	3,140	2,670	+10.5
357	Office and computing machines	11,966	11,931	11,784	+0.3	+1.2	+1.5	11,966	11,971	11,710	10,525	+13.7
36	Electrical machinery	40,670	40,010	39,797	+1.6	+0.5	0.0	40,241	39,990	39,850	38,941	+3.3
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,142	5,055	5,083	+1.7	-0.6	+0.8	5,073	5,014	5,069	4,840	+4.8
363	Household appliances	2,856	2,759	2,734	+3.5	+0.9	-3.0	2,685	2,617	2,569	2,662	+.9
365	Radio and TV	1,421	1,405	1,380	+1.1	+1.8	+0.7	1,378	1,393	1,407	1,418	-2.8
366	Communication equipment	16,147	16,033	16,042	+0.7	-0.1	-0.6	16,215	16,209	16,211	16,670	-2.7
367	Electronic components	8,852	8,569	8,468	+3.3	+1.2	+0.7	8,763	8,577	8,472	7,628	+14.9
364,9	Other electrical machinery	6,252	6,189	6,090	+1.0	+1.6	+1.3	6,127	6,180	6,122	5,723	+7.1
37	Transportation equipment	62,170	61,578	60,933	+1.0	+1.1	+0.5	62,822	62,364	61,511	57,445	+9.4
371	Motor vehicles and parts	11,846	11,657	11,568	+1.6	+0.8	-0.4	12,062	11,710	11,647	11,519	+4.7
372,6	Aircraft, missiles, and parts	46,007	45,544	45,105	+1.0	+1.0	+0.7	46,376	46,242	45,584	41,901	+10.7
3731,95	Shipbuilding and military tank vehicles	2,284	2,257	2,151	+1.2	+4.9	-0.7	2,326	2,341	2,189	2,053	+13.3
38	Instruments and related products	13,778	13,578	13,513	+1.5	+0.5	+0.4	13,658	13,587	13,521	12,493	+9.3
381-4	Scientific and engineering instruments	9,990	9,900	9,877	+0.9	+0.2	-0.1	9,990	9,941	9,899	9,274	+7.7
386	Photographic goods	3,184	3,089	3,034	+3.1	+1.8	+1.5	3,088	3,074	3,009	2,592	+19.1
24,25, 39	All other durable goods	17,797	17,771	17,745	+0.1	+0.1	-0.3	17,270	17,332	17,461	16,709	+3.4
	Nondurable goods industries	119,613	119,677	119,571	-0.1	+0.1	+0.3	119,253	119,416	118,573	113,394	+5.2
	With unfilled orders	30,424	30,246	30,237	+0.6	0.0	+0.4	29,697	29,730	30,116	27,553	+7.8
20	Food and kindred products	25,797	25,791	25,742	0.0	+0.2	+0.2	27,105	26,978	25,971	25,779	+5.1
202	Dairy products	2,334	2,291	2,283	+1.9	+0.4	+1.5	2,311	2,305	2,268	2,192	+5.4
208	Beverages	4,503	4,469	4,500	+0.8	-0.7	+2.0	4,458	4,400	4,435	4,521	-1.4
203-6,9	All other foods	14,503	14,641	14,638	-0.9	0.0	-0.5	15,518	15,829	15,332	15,112	+2.7
21	Tobacco products	5,735	5,810	5,763	-1.3	+0.8	-1.5	5,735	5,872	5,574	5,671	+1.1
22	Textile mill products	7,699	7,620	7,545	+1.0	+1.0	-2.5	7,462	7,406	7,408	7,298	+2.2
221-4,6, 8,9	Broadwoven fabrics	4,456	4,414	4,402	+1.0	+0.3	-2.8	4,367	4,281	4,314	4,322	+1.0
26	Paper and allied products	11,901	11,835	11,775	+0.6	+0.5	+1.1	11,719	11,543	11,537	10,822	+8.3
261-3,6	Pulp, paper etc.	4,217	4,196	4,185	+0.5	+0.3	+1.7	4,133	4,082	4,068	3,723	+11.0
265	Paperboard containers	3,255	3,254	3,240	0.0	+0.4	+0.6	3,157	3,150	3,188	2,911	+8.5
264	All other paper products	4,429	4,385	4,350	+1.0	+0.8	+0.9	4,429	4,311	4,281	4,188	+5.8
28	Chemicals and allied products	27,232	27,060	26,882	+0.6	+0.7	+1.3	27,019	26,726	26,338	24,603	+9.8
281,6	Industrial chemicals, except pigments	7,159	7,056	6,987	+1.5	+1.0	+1.6	7,087	6,995	6,938	6,457	+9.8
283,4	Drugs, soaps, and toiletries	9,558	9,539	9,544	+0.2	-0.1	+0.8	9,558	9,455	9,299	8,723	+9.6
282,9	Other chemical products	6,961	6,870	6,743	+1.3	+1.9	+1.5	6,752	6,660	6,576	5,872	+15.0
29	Petroleum and coal products	8,725	9,092	9,336	-4.0	-2.6	-1.9	9,105	9,268	9,341	10,497	-13.3
30	Rubber and plastics products	10,322	10,298	10,089	+0.2	+2.1	+2.5	9,967	9,941	9,896	8,770	+13.6
23,27, 31	All other nondurable goods	22,202	22,171	22,439	+0.1	-1.2	+0.3	21,141	21,682	22,508	19,954	+5.9
	Market categories:											
	Home goods and apparel	26,506	26,328	26,478	+0.7	-0.6	-0.7	25,142	25,472	26,038	24,993	+.6
	Consumer staples	44,328	44,367	44,282	-0.1	+0.2	+0.3	45,158	45,372	44,412	42,924	+5.2
	Equipment and defense products, except automotive	103,055	102,586	101,871	+0.5	+0.7	+0.8	103,412	103,144	101,846	95,692	+8.1
	Automotive equipment	14,619	14,533	14,415	+0.6	+0.8	0.0	14,796	14,448	14,426	14,195	+4.2
	Construction materials, supplies and intermediate products	25,230	25,392	25,184	-0.6	+0.8	+0.2	24,648	24,671	24,692	23,503	+4.9
	Other materials, supplies, and intermediate products	137,114	136,206	135,555	+0.7	+0.5	+0.9	136,420	135,592	134,974	126,212	+8.1
	Supplementary series:[2]											
	Capital goods industries	119,257	118,529	117,620	+0.6	+0.8	+0.8	119,592	119,384	118,004	110,220	+8.5
	Nondefense	84,021	83,119	82,781	+1.1	+0.4	+0.2	84,309	83,553	82,769	76,448	+10.3
	Excluding aircraft and parts	63,610	63,401	63,013	+0.3	+0.6	+1.3	63,529	63,365	62,742	58,014	+9.5
	Defense	35,236	35,410	34,839	-0.5	+1.6	+2.3	35,283	35,831	35,235	33,772	+4.5
	Household durable goods industries	12,760	12,600	12,614	+1.3	-0.1	0.0	12,218	12,307	12,400	12,329	-.9

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Nov. 1988P	Oct. 1988r	Sept. 1988	Percent change: Oct.-Nov.P	Sept.-Oct.r	Aug.-Sept.	Not seasonally adjusted: End of month: Nov. 1988P	Oct. 1988r	Sept. 1988	Nov. 1987r	Percent change Nov. 88/87P
	MATERIALS AND SUPPLIES											
	All manufacturing industries	113,071	112,935	112,617	+0.1	+0.3	+0.6	112,014	112,233	112,055	104,121	+7.6
	Durable goods industries	65,297	65,324	65,253	0.0	+0.1	+0.4	65,052	65,263	65,482	60,612	+7.3
32	Stone, clay, and glass products	2,439	2,424	2,409	+0.6	+0.6	+0.5	2,416	2,394	2,403	2,255	+7.1
33	Primary metals	6,105	6,085	6,148	+0.3	-1.0	+0.3	6,319	6,239	6,236	5,615	+12.5
34	Fabricated metal products	8,450	8,439	8,430	+0.1	+0.1	-1.7	8,373	8,292	8,454	7,764	+7.8
35	Machinery, except electrical	12,827	13,150	13,062	-2.5	+0.7	+2.4	12,790	13,148	13,028	11,811	+8.3
36	Electrical machinery	11,286	11,027	10,799	+2.3	+2.1	+0.8	10,977	10,908	10,814	9,958	+10.2
37	Transportation equipment	12,495	12,670	12,968	-1.4	-2.3	-0.2	12,524	12,693	13,077	12,483	+.3
38	Instruments and related products	4,771	4,647	4,586	+2.7	+1.3	+1.5	4,707	4,636	4,612	4,155	+13.3
24,25, 39	All other durable goods	6,924	6,882	6,851	+0.6	+0.5	-0.9	6,946	6,953	6,858	6,571	+5.7
	Nondurable goods industries	47,774	47,611	47,364	+0.3	+0.5	+0.9	46,962	46,970	46,573	43,509	+7.9
20	Food and kindred products	9,349	9,358	9,422	-0.1	-0.7	+1.6	9,603	9,482	8,959	9,061	+6.0
21	Tobacco products	4,468	4,533	4,405	-1.4	+2.9	-0.5	4,322	4,329	4,235	4,508	-4.1
22	Textile mill products	2,355	2,319	2,332	+1.6	-0.6	-0.5	2,222	2,196	2,278	2,151	+3.3
26	Paper and allied products	6,639	6,550	6,511	+1.4	+0.6	+1.0	6,5r1	6,414	6,455	5,690	+15.1
28	Chemicals and allied products	9,845	9,689	9,576	+1.6	+1.2	+0.9	9,650	9,628	9,559	8,499	+13.5
29	Petroleum and coal products	2,177	2,279	2,334	-4.5	-2.4	-1.5	2,198	2,264	2,275	2,552	-13.9
30	Rubber and plastics products	4,168	4,169	4,089	0.0	+2.0	+3.3	4,035	4,072	4,023	3,387	+19.1
23,27, 31	All other nondurable goods	8,773	8,714	8,695	+0.7	+0.2	+0.8	8,381	8,585	8,789	7,661	+9.4
	WORK IN PROCESS											
	All manufacturing industries	125,585	124,411	123,550	+0.9	+0.7	+0.4	126,195	125,581	124,507	118,406	+6.6
	Durable goods industries	106,447	105,239	104,440	+1.1	+0.8	+0.5	106,890	106,267	105,387	99,638	+7.3
32	Stone, clay, and glass products	1,085	1,115	1,121	-2.7	-0.5	+0.4	1,035	1,074	1,109	1,014	+2.1
33	Primary metals	8,325	8,155	7,962	+2.1	+2.4	+2.6	8,174	8,097	7,979	7,012	+16.6
34	Fabricated metal products	8,326	8,395	8,285	-0.8	+1.3	+1.5	8,267	8,458	8,308	8,032	+2.9
35	Machinery, except electrical	18,107	17,760	17,942	+2.0	-1.0	+1.2	18,255	17,881	18,092	16,967	+7.6
36	Electrical machinery	19,569	19,461	19,606	+0.6	-0.7	-0.3	19,757	19,739	19,810	20,109	-1.8
37	Transportation equipment	42,233	41,654	40,763	+1.4	+2.2	+0.3	42,712	42,353	41,351	38,210	+11.8
38	Instruments and related products	5,190	5,167	5,249	+0.4	-1.6	-0.6	5,166	5,196	5,269	4,812	+7.4
24,25, 39	All other durable goods	3,612	3,532	3,512	+2.3	+0.6	-0.9	3,524	3,469	3,469	3,482	+1.2
	Nondurable goods industries	19,138	19,172	19,110	-0.2	+0.3	-0.3	19,305	19,314	19,120	18,768	+2.9
20	Food and kindred products	2,805	2,853	2,747	-1.7	+3.9	+6.6	2,870	2,905	2,733	2,650	+8.3
21	Tobacco products	229	224	250	+2.2	-10.4	-6.7	321	359	285	181	+77.3
22	Textile mill products	2,332	2,322	2,274	+0.4	+2.1	-2.2	2,323	2,311	2,256	2,227	+4.3
26	Paper and allied products	1,253	1,268	1,288	-1.2	-1.6	-0.6	1,264	1,268	1,292	1,247	+1.4
28	Chemicals and allied products	4,269	4,239	4,133	+0.7	+2.6	-1.4	4,261	4,259	4,183	3,907	+9.1
29	Petroleum and coal products	2,314	2,370	2,450	-2.4	-3.3	-1.1	2,454	2,439	2,407	2,843	-13.7
30	Rubber and plastics products	1,412	1,400	1,385	+0.9	+1.1	-2.5	1,412	1,383	1,433	1,245	+13.4
23,27, 31	All other nondurable goods	4,524	4,496	4,583	+0.6	-1.9	-0.5	4,400	4,390	4,531	4,468	-1.5
	FINISHED GOODS											
	All manufacturing industries	112,196	112,066	111,618	+0.1	+0.4	+0.8	111,367	110,885	109,826	104,992	+6.1
	Durable goods industries	59,495	59,172	58,521	+0.5	+1.1	+1.5	58,381	57,753	56,946	53,875	+8.4
32	Stone, clay, and glass products	3,907	4,012	3,859	-2.6	+4.0	+2.1	3,779	3,777	3,695	3,708	+1.9
33	Primary metals	5,569	5,585	5,434	-0.3	+2.8	+1.5	5,468	5,428	5,337	5,191	+5.3
34	Fabricated metal products	6,598	6,596	6,781	0.0	-2.7	+3.9	6,459	6,415	6,535	6,452	+.1
35	Machinery, except electrical	15,086	15,082	14,793	0.0	+2.0	+1.1	14,997	14,807	14,296	12,716	+17.9
36	Electrical machinery	9,815	9,522	9,392	+3.1	+1.4	-0.1	9,507	9,343	9,226	8,874	+7.1
37	Transportation equipment	7,442	7,254	7,202	+2.6	+0.7	+3.2	7,586	7,318	7,083	6,752	+12.4
38	Instruments and related products	3,817	3,764	3,678	+1.4	+2.3	+0.7	3,785	3,755	3,640	3,526	+7.3
24,25, 39	All other durable goods	7,261	7,357	7,382	-1.3	-0.3	+0.5	6,800	6,910	7,134	6,656	+2.2
	Nondurable goods industries	52,701	52,894	53,097	-0.4	-0.4	0.0	52,986	53,132	52,880	51,117	+3.7
20	Food and kindred products	13,643	13,580	13,573	+0.5	+0.1	-1.9	14,632	14,591	14,279	14,068	+4.0
21	Tobacco products	1,038	1,053	1,108	-1.4	-5.0	-4.1	1,092	1,184	1,054	982	+11.2
22	Textile mill products	3,012	2,979	2,939	+1.1	+1.4	-4.2	2,917	2,899	2,874	2,920	-.1
26	Paper and allied products	4,009	4,017	3,976	-0.2	+1.0	+1.8	3,904	3,861	3,790	3,885	+.5
28	Chemicals and allied products	13,118	13,132	13,173	-0.1	-0.3	+2.4	13,108	12,839	12,596	12,197	+7.5
29	Petroleum and coal products	4,234	4,443	4,552	-4.7	-2.4	-2.6	4,453	4,565	4,659	5,102	-12.7
30	Rubber and plastics products	4,742	4,729	4,615	+0.3	+2.5	+3.3	4,520	4,486	4,440	4,138	+9.2
23,27, 31	All other nondurable goods	8,905	8,961	9,161	-0.6	-2.2	+0.2	8,360	8,707	9,188	7,825	+6.8

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Nov. 1988P	Oct. 1988r	Sept. 1988	Aug. 1988	Nov. 1988P	Oct. 1988r	Sept. 1988	Aug. 1988
	All manufacturing industries	1.57	1.57	1.57	1.56	3.71	3.70	3.66	3.68
	Durable goods industries	1.94	1.94	1.93	1.92	4.50	4.49	4.43	4.46
32	Stone, clay, and glass products	1.32	1.39	1.37	1.34	1.14	1.17	1.18	1.18
33	Primary metals	1.58	1.60	1.58	1.61	1.99	2.06	2.06	2.11
34	Fabricated metal products	1.89	1.93	1.95	1.96	2.51	2.59	2.62	2.65
35	Machinery, except electrical	2.22	2.19	2.16	2.10	3.04	2.98	2.94	2.89
36	Electrical machinery	2.13	2.11	2.06	2.08	4.93	4.89	4.78	4.87
37	Transportation equipment	2.01	1.99	2.03	1.98	11.68	11.41	11.26	11.29
38	Instruments and related products	2.32	2.24	2.20	2.22	2.37	2.31	2.24	2.28
	Nondurable goods industries	1.14	1.15	1.16	1.15	0.79	0.78	0.79	0.79
20	Food and kindred products	0.84	0.84	0.85	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	2.64	3.04	2.85	3.17	(X)	(X)	(X)	(X)
22	Textile mill products	1.50	1.56	1.49	1.56	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.11	1.12	1.10	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.28	1.29	1.33	1.28	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.89	0.89	0.91	0.90	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.31	1.30	1.28	1.25	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Nov. 1987	All Novs. 1983-1987	Nov. 1987-Oct. 1988	Year ago Nov. 1987	All Novs. 1983-1987	Nov. 1987-Oct. 1988	Year ago Nov. 1987	All Novs. 1983-1987	Nov. 1987-Oct. 1988	Year ago Nov. 1987	All Novs. 1983-1987	Nov. 1987-Oct. 1988
	All manufacturing industries	0.0	0.2	0.2	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1
	Durable goods industries	0.3	0.2	0.2	1.0	0.5	0.4	0.2	0.1	0.1	0.3	0.1	0.1
32	Stone, clay, and glass products	1.6	0.8	0.6	0.7	1.3	0.5	1.9	1.7	0.5	0.1	0.4	0.2
33	Primary metals	1.6	1.0	0.5	2.9	1.2	1.0	0.7	0.2	0.4	0.6	0.4	0.4
34	Fabricated metal products	0.8	0.9	0.4	1.7	1.4	0.8	0.5	0.4	0.3	0.1	0.2	0.1
35	Machinery, except electrical	3.7	1.4	0.7	2.6	0.9	1.2	0.2	0.2	0.3	0.3	0.2	0.2
36	Electrical machinery	0.1	0.4	0.5	0.8	1.1	0.7	0.2	0.2	0.1	0.4	0.1	0.2
37	Transportation equipment	0.0	0.3	0.2	1.5	1.2	0.5	0.2	0.2	0.1	0.7	0.4	0.1
38	Instruments and related products	0.7	1.1	0.8	1.0	1.4	1.1	0.2	0.2	0.4	0.2	0.3	0.2
	Nondurable goods industries	0.1	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.7	0.2	0.2	0.1
20	Food and kindred products	0.3	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products	0.7	0.2	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0	0.1
22	Textile mill products	0.5	1.8	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.8	0.5
26	Paper and allied products	0.1	0.8	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.1
28	Chemicals and allied product	0.0	0.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.2
29	Petroleum and coal products	0.9	1.2	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.3	0.7	0.6
30	Rubber and plastics products	1.8	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.3
	Capital goods industries:												
	Nondefense	1.5	1.1	0.4	1.9	1.2	0.8	0.1	0.0	0.1	0.2	0.2	0.1
	Defense	0.1	0.6	0.7	3.9	3.9	1.6	0.2	0.2	0.0	0.3	0.4	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

PUBLICATION DATES FOR THE 1989 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January 1989	Thurs., Feb. 23	Fri., Mar. 3
February	Wed., Mar. 22	Thur., Mar. 30
March	Tue., Apr. 25	Tue., May 2
April	Tues., May 23	Wed., May 31
May	Fri., June 23	Fri., June 30
June	Tues., July 25	Wed., Aug. 2
July	Tues., Aug. 22	Thur., Aug. 31
August	Tues., Sept. 26	Tues., Oct. 3
September	Tues., Oct. 24	Wed., Nov. 1
October	Wed., Nov. 22	Mon., Dec. 4
November	Fri., Dec. 22	Wed., Jan. 3, 1990
December	Thurs., Jan.25, 1990*	Thur., Feb. 1, 1990

CURRENT INDUSTRIAL REPORTS

C 3.158: M3-1(88)-12

Manufacturers' Shipments, Inventories, and Orders

December 1988

M3-1-(88)-12

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E.S.T. Friday, February 3, 1989

(All Figures in text are in seasonally adjusted current dollars)

MAR 15 1989

Summary

New orders for manufactured goods in December increased $9.4 billion or 4.1 percent to $237.6 billion, the Bureau of the Census reported today. This is the largest one month increase since the 5.4 percent gain in June. Orders for the year totaled $2657.2 billion, 9.6 percent above last year.

Shipments of manufactured goods in December increased $5.5 billion or 2.4 percent to $230.1 billion. This is the largest increase in shipments since the 2.7 percent gain in February 1987. Shipments for all of 1988 totaled $2610.1 billion, 9.2 percent above 1987.

The backlog of orders held by manufacturers in December was $468.3 billion, $7.5 billion or 1.6 percent above November and 11.2 percent higher than the end of 1987.

Inventories held by manufacturers in December at $354.0 billion were up $2.4 billion or 0.7 percent above November and 6.9 percent higher than the end of 1987. The inventory to shipments ratio in December 1988 was 1.54, down from 1.57 in November and down from 1.60 in December 1987.

New Orders

Most of the increase in manufacturers' new orders was in the durable goods sector, up $7.9 billion or 6.4 percent to $131.0 billion. Transportation equipment was up $6.4 billion or 19.7 percent to $38.8 billion; the motor vehicle, aircraft and shipbuilding industries all showed large gains. Both the primary and fabricated metals industries were up; primary metals increased $0.6 billion or 4.9 percent to $13.2 billion and fabricated metals, $0.5 billion or 3.8 percent to $12.9 billion.

Electrical machinery orders were relatively flat at $20.2 billion, while nonelectrical orders were down $0.3 billion or 1.4 percent to $21.1 billion.

Orders for nondurable goods were up $1.5 billion or 1.4 percent to $106.6 billion with the largest gains in rubber and plastics, paper, and apparel.

Shipments

Most of the increase in manufacturers' shipments in December was in durable goods, up $3.9 billion or 3.2 percent to $123.7 billion. The largest increase was in transportation equipment where motor vehicles and parts increased $1.2 billion or 6.1 percent to $20.9 billion. Most of the other major industries showed shipments increases. Electrical machinery was up $0.8 billion or 4.0 percent to $19.9 billion and nonelectrical $0.5 billion or 2.2 percent to $21.4 billion. Instruments and related products were up $0.3 billion or 4.3 percent to $6.2 billion.

Shipments of nondurable goods were up $1.6 billion or 1.5 percent to $106.4 billion; most major industries increased, the largest being in rubber and plastics and apparel.

Unfilled Orders

Unfilled orders for durable goods in December increased $7.2 billion or 1.6 percent to $447.1 billion. The aircraft and parts industry jumped $4.2 billion or 2.5 percent to $174.0 billion and shipbuilding and tanks, $2.1 billion or 8.6 percent to $26.3 billion. The primary metals order backlog increased $0.4 billion or 1.4 percent to $25.7 billion. Instruments and related products were up $0.4 billion or 2.9 percent to $14.7 billion.

Inventories

Inventories of durable goods in December were up $1.9 billion or 0.8 percent to $233.7 billion, over two-thirds of which was in aircraft and parts. Nonelectrical machinery was up $0.6 billion or 1.2 percent to $46.7 billion and instruments up $0.3 billion or 2.2 percent to $14.1 billion. Inventories of nondurable goods increased $0.5 billion or 0.4 percent to $120.3 billion; the foods industry increased $0.4 billion or 1.4 percent to $26.4 billion.

Most of the increase in durable goods inventories was in work in process, up 1.3 percent and finished goods, up 0.9 percent; materials and supplies were about unchanged. For nondurables, work in process and finished goods were up 0.8 percent and 1.4 percent respectively; materials and supplies were down 0.8 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for January is scheduled for February 23, 1989 at 8:30 a.m. and the full report on March 3, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Dec. 1988P	Nov. 1988r	Oct. 1988	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Dec. 88/87P	1988P	1987
	All manufacturing industries	230,090	224,632	222,917	+2.4	+0.8	+0.7	225,382	222,837	229,541	202,861	+11.1	2,610,939	2,390,045
	Manufacturing industries with unfilled orders	127,761	124,776	123,472	+2.4	+1.1	-0.2	128,591	124,534	126,925	116,200	+10.7	1,448,105	1,315,924
	Durable goods industries	123,737	119,874	118,439	+3.2	+1.2	+0.3	122,039	118,636	122,606	108,990	+12.0	1,387,768	1,263,492
	With unfilled orders	100,820	98,135	97,164	+2.7	+1.0	-0.5	102,039	97,698	99,466	91,816	+11.1	1,137,215	1,028,314
32	Stone, clay, and glass products	5,565	5,588	5,442	-0.4	+2.7	+0.8	4,837	5,507	5,745	4,649	+4.0	64,066	62,142
33	Primary metals	12,891	12,709	12,369	+1.4	+2.7	+0.3	11,824	12,308	12,614	10,765	+9.8	142,224	117,092
331	Blast furnaces, steel mills	5,220	5,206	5,151	+0.3	+1.1	-1.2	4,855	4,945	5,187	4,661	+4.2	60,969	50,812
332	Iron and steel foundries	928	892	885	+4.0	+0.8	-7.0	786	903	960	688	+14.2	10,367	9,605
333-9	Nonferrous and other primary metals	6,743	6,611	6,333	+2.0	+4.4	+2.6	6,183	6,460	6,467	5,416	+14.2	70,888	56,675
34	Fabricated metal products	12,848	12,597	12,123	+2.0	+3.9	+0.6	11,740	12,234	12,736	10,390	+13.0	144,072	135,005
35	Machinery, except electrical	21,359	20,894	20,970	+2.2	-0.4	-1.2	23,337	20,124	20,841	20,846	+11.9	246,803	216,605
351	Engines and turbines	1,444	1,328	1,397	+8.7	-4.9	-1.5	1,821	1,311	1,306	1,525	+19.4	16,135	14,383
353	Construction, mining, and material handling equipment	2,534	2,450	2,517	+3.4	-2.7	-1.1	2,468	2,452	2,492	2,312	+6.7	29,974	25,824
354	Metalworking machinery	1,019	995	924	+2.4	+7.7	+0.3	1,120	1,038	1,010	959	+16.8	11,332	9,677
357	Office and computing machines	5,585	5,483	5,653	+1.9	-3.0	-2.1	7,802	5,482	5,102	7,259	+7.5	67,705	61,215
36	Electrical machinery	19,862	19,099	18,931	+4.0	+0.9	-2.2	20,667	19,640	19,222	18,987	+8.8	227,075	210,695
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,355	2,395	2,444	-1.7	-2.0	+3.2	2,376	2,386	2,456	2,190	+8.5	27,596	25,907
363	Household appliances	1,510	1,466	1,462	+3.0	+0.3	-6.9	1,339	1,378	1,521	1,301	+2.9	18,060	17,965
365	Radio and TV	980	1,073	1,025	-8.7	+4.7	-2.9	935	1,222	1,198	884	+5.8	11,654	11,521
366	Communication equipment	6,709	6,137	6,087	+9.3	+0.8	-2.5	7,924	6,274	5,862	7,258	+9.2	74,453	70,800
367	Electronic components	4,814	4,522	4,678	+6.5	-3.3	-1.6	4,554	4,528	4,637	4,103	+11.0	54,765	47,080
364,9	Other electrical machinery	3,494	3,506	3,235	-0.3	+8.4	-3.8	3,539	3,852	3,548	3,251	+8.9	40,547	37,422
37	Transportation equipment	32,519	30,960	30,924	+5.0	+0.1	+3.2	31,952	31,334	32,582	27,213	+17.4	351,886	323,026
371	Motor vehicles and parts	20,877	19,671	19,585	+6.1	+0.4	+4.7	17,993	20,049	21,348	14,055	+28.0	219,230	197,049
372,6	Aircraft, missiles, and parts	9,270	9,121	9,260	+1.6	-1.5	+2.0	11,563	9,301	9,122	11,117	+4.0	107,638	103,663
3731,95	Shipbuilding and military tank vehicles	1,126	870	837	+29.4	+3.9	-10.4	1,347	852	819	1,079	+24.8	10,579	10,002
38	Instruments and related products	6,218	5,960	6,057	+4.3	-1.6	-1.5	6,439	5,901	6,150	5,859	+9.9	72,372	66,805
381-4	Scientific and engineering instruments	4,193	4,001	4,096	+4.8	-2.3	-2.2	4,361	3,818	4,093	3,959	+10.2	48,864	44,680
386	Photographic goods	1,872	1,812	1,810	+3.3	+0.1	+0.4	1,943	1,936	1,886	1,719	+13.0	21,481	19,763
24,25, 39	All other durable goods	12,475	12,067	11,623	+3.4	+3.8	+0.5	11,243	11,588	12,716	10,281	+9.4	139,270	132,122
	Nondurable goods industries	106,353	104,758	104,478	+1.5	+0.3	+1.1	103,343	104,201	106,935	93,871	+10.1	1,223,171	1,126,553
	With unfilled orders	26,941	26,641	26,308	+1.1	+1.3	+0.7	26,552	26,836	27,459	24,384	+8.9	310,890	287,610
20	Food and kindred products	30,786	30,607	30,564	+0.6	+0.1	+0.7	30,618	30,582	31,339	27,526	+11.2	356,703	324,996
202	Dairy products	4,279	4,176	4,172	+2.5	+0.1	-0.6	4,146	4,142	4,107	3,845	+7.8	48,922	47,062
208	Beverages	4,039	4,146	3,904	-2.6	+6.2	-3.2	3,619	3,910	3,913	3,427	+5.6	47,759	44,920
203-6,9	All other foods	14,358	14,347	14,372	+0.1	-0.2	+2.0	14,717	14,601	14,838	12,678	+16.1	164,920	142,549
21	Tobacco products	1,986	2,109	1,911	-5.8	+10.4	-5.4	2,455	2,253	1,696	2,322	+5.7	22,240	19,935
22	Textile mill products	5,379	5,269	4,890	+2.1	+7.8	-3.1	5,097	5,221	5,243	4,426	+15.2	59,753	57,481
221-4,6, 8,9	Broadwoven fabrics	3,194	3,172	2,952	+0.7	+7.5	-2.6	3,226	3,081	3,069	2,866	+12.6	36,543	35,680
26	Paper and allied products	10,978	10,779	10,669	+1.8	+1.0	+1.1	10,564	10,373	10,727	9,474	+11.5	124,223	110,252
261-3,6	Pulp, paper etc.	4,819	4,794	4,761	+0.5	+0.7	+1.1	4,774	4,647	4,725	4,225	+13.0	55,179	47,032
265	Paperboard containers	2,724	2,686	2,632	+1.4	+2.1	-0.1	2,495	2,562	2,704	2,235	+11.6	30,530	26,792
264	All other paper products	3,435	3,299	3,276	+4.1	+0.7	+2.2	3,295	3,164	3,298	3,014	+9.3	38,514	36,428
28	Chemicals and allied products	21,068	21,352	20,948	-1.3	+1.9	+4.0	20,349	20,104	20,269	18,053	+12.7	240,428	212,705
281,6	Industrial chemicals, except pigments	6,098	6,113	5,987	-0.2	+2.1	+3.7	5,958	5,936	5,850	5,052	+17.9	67,874	59,487
283,4	Drugs, soaps, and toiletries	6,229	6,434	6,302	-3.2	+2.1	+5.8	6,248	6,140	6,225	5,806	+7.6	73,061	67,125
282,9	Other chemical products	5,732	5,676	5,660	+1.0	+0.3	+4.4	5,520	5,517	5,654	4,871	+13.3	64,972	58,212
29	Petroleum and coal products	10,145	9,940	10,238	+2.1	-2.9	-0.2	10,287	10,120	10,430	10,241	+0.4	124,142	124,528
30	Rubber and plastics products	8,292	7,835	7,893	+5.8	-0.7	+0.5	7,472	7,724	8,335	6,334	+18.0	91,043	80,510
23,27, 31	All other nondurable goods	17,719	16,867	17,365	+5.1	-2.9	+1.2	16,501	17,824	18,896	15,495	+6.5	204,639	196,146
	Market categories:													
	Home goods and apparel	15,442	14,454	14,386	+6.8	+0.5	+0.4	12,940	14,898	15,954	11,545	+12.1	170,860	164,861
	Consumer staples	43,268	43,253	42,969	0.0	+0.7	+1.2	43,680	43,576	43,729	39,784	+9.8	501,301	461,025
	Equipment and defense products, except automotive	37,981	36,537	36,395	+4.0	+0.4	-1.7	43,159	35,706	35,875	39,207	+10.1	433,296	391,189
	Automotive equipment	23,400	22,243	22,076	+5.2	+0.8	+4.2	20,098	22,393	24,055	15,856	+26.8	248,003	223,069
	Construction materials, supplies and intermediate products	18,061	17,529	17,113	+3.0	+2.4	+0.4	16,013	16,797	18,288	14,814	+8.1	204,769	192,664
	Other materials, supplies, and intermediate products	91,938	90,616	89,978	+1.5	+0.7	+0.7	89,492	89,467	91,640	81,655	+9.6	1,052,710	957,237
	Supplementary series:[2]													
	Capital goods industries	42,437	41,172	41,026	+3.1	+0.4	-0.8	48,530	41,288	40,795	44,335	+9.5	486,607	445,633
	Nondefense	32,338	32,512	32,595	-0.5	-0.3	+0.2	36,457	32,257	32,320	33,412	+9.1	380,017	336,190
	Excluding aircraft and parts	28,733	28,091	27,934	+2.3	+0.6	-1.2	31,664	27,872	27,897	28,200	+12.3	331,208	294,860
	Defense	10,099	8,660	8,431	+16.6	+2.7	-4.5	12,073	9,031	8,475	10,923	+10.5	106,590	109,443
	Household durable goods industries	7,081	6,949	6,671	+1.9	+4.2	+0.5	6,300	7,050	7,323	5,634	+11.8	79,219	75,607

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Dec. 1988p	Nov. 1988r	Oct. 1988	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1988p	Nov. 1988r	Oct. 1988	Dec. 1987	Dec. 88/87p	1988p	1987
	All manufacturing industries	237,595	228,153	227,095	+4.1	+0.5	+2.0	234,119	225,235	231,583	207,295	+12.9	2,657,934	2,423,597
	Manufacturing industries with unfilled orders	135,266	128,297	127,650	+5.4	+0.5	+2.1	137,328	126,932	128,967	120,634	+13.8	1,495,100	1,349,476
	Durable goods industries	130,966	123,035	122,791	+6.4	+0.2	+2.9	130,655	121,294	125,170	113,540	+15.1	1,434,030	1,293,236
	With unfilled orders	108,049	101,296	101,516	+6.7	-0.2	+2.6	110,655	100,356	102,030	96,366	+14.8	1,183,477	1,058,058
32	Stone, clay, and glass products	5,479	5,682	5,435	-3.6	+4.5	+1.3	4,631	5,618	5,588	4,498	+3.0	64,602	62,152
33	Primary metals	13,245	12,624	12,428	+4.9	+1.6	-0.5	13,095	12,059	12,370	12,170	+7.6	144,128	122,590
331	Blast furnaces, steel mills	5,282	4,950	4,730	+6.7	+4.7	-10.8	5,576	4,773	4,590	5,560	+0.3	60,273	53,724
332	Iron and steel foundries	917	854	903	+7.4	-5.4	-7.3	727	864	991	653	+11.3	10,567	9,737
333-9	Nonferrous and other primary metals	7,046	6,820	6,795	+3.3	+0.4	+9.2	6,792	6,422	6,789	5,957	+14.0	73,288	59,129
34	Fabricated metal products	12,884	12,411	12,026	+3.8	+3.2	+0.2	11,903	12,007	12,388	10,562	+12.7	142,602	136,494
35	Machinery, except electrical	21,140	21,443	21,181	-1.4	+1.2	-1.3	22,714	20,896	20,677	20,774	+9.3	253,798	221,041
351	Engines and turbines	667	1,320	1,399	-49.5	-5.6	-12.2	969	1,334	1,426	1,287	-24.7	15,416	14,589
353	Construction, mining, and material handling equipment	2,564	2,482	2,722	+3.3	-8.8	+4.1	2,682	2,581	2,683	2,774	-3.3	31,210	26,559
354	Metalworking machinery	1,199	1,269	1,025	-5.5	+23.8	+1.5	990	1,270	955	832	+19.0	13,142	9,548
357	Office and computing machines	5,525	5,441	5,514	+1.5	-1.3	+5.5	7,384	5,492	4,867	6,710	+10.0	67,291	60,740
36	Electrical machinery	20,195	20,110	18,977	+0.4	+6.0	+1.9	20,505	19,846	19,185	19,055	+7.6	227,440	212,442
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,296	2,349	2,609	-2.3	-10.0	+15.1	2,302	2,321	2,601	2,080	+10.7	28,050	26,147
366	Communication equipment	7,184	7,369	6,080	-2.5	+21.2	+8.9	8,013	7,091	6,088	7,267	+10.3	73,735	70,865
367	Electronic components	4,709	4,287	4,367	+9.8	-1.8	-9.5	4,489	4,115	4,154	4,213	+6.6	54,818	48,450
364,9	Other electrical machinery	3,477	3,552	3,414	-2.1	+4.0	+1.6	3,489	3,754	3,725	3,388	+3.0	41,132	37,788
37	Transportation equipment	38,776	32,401	34,898	+19.7	-7.2	+10.4	40,021	33,583	36,378	30,891	+29.6	388,832	337,585
372,6	Aircraft, missiles, and parts	13,465	10,763	12,005	+25.1	-10.3	+4.4	17,514	11,728	11,725	15,436	+13.5	136,560	116,403
3731,95	Shipbuilding and military tank vehicles	3,204	684	2,109	+368.4	-67.6	(N)	3,352	681	2,082	130	+2478.5	18,037	10,679
38	Instruments and related products	6,625	6,268	6,252	+5.7	+0.3	+2.4	6,856	6,127	6,250	5,993	+14.4	73,457	67,863
381-4	Scientific and engineering instruments	4,427	4,268	4,291	+3.7	-0.5	+4.6	4,633	4,070	4,270	4,130	+12.2	49,833	45,619
24,25, 39	All other durable goods	12,622	12,096	11,594	+4.3	+4.3	-0.4	10,930	11,158	12,334	9,597	+13.9	139,171	133,069
	Nondurable goods industries	106,629	105,118	104,304	+1.4	+0.8	+0.9	103,464	103,941	106,413	93,755	+10.4	1,223,904	1,130,361
	With unfilled orders	27,217	27,001	26,134	+0.8	+3.3	+0.1	26,673	26,576	26,937	24,268	+9.9	311,623	291,418
	Market categories:													
	Home goods and apparel	15,621	14,481	14,264	+7.9	+1.5	-1.6	12,481	14,237	15,221	10,780	+15.8	170,374	166,091
	Consumer staples	43,248	43,268	42,936	0.0	+0.8	+1.1	43,702	43,608	43,660	39,846	+9.7	501,477	460,952
	Equipment and defense products, except automotive	45,255	40,391	39,164	+12.0	+3.1	+7.8	51,790	40,284	38,167	42,873	+20.8	466,606	409,548
	Automotive equipment	23,500	22,311	22,063	+5.3	+1.1	+4.1	20,327	22,469	24,015	15,990	+27.1	247,655	223,543
	Construction materials, supplies and intermediate products	18,087	17,547	17,190	+3.1	+2.1	+1.1	15,974	16,783	18,098	14,904	+7.2	205,319	192,464
	Other materials, supplies, and intermediate products	91,884	90,155	91,478	+1.9	-1.4	+0.3	89,845	87,854	92,422	82,902	+8.4	1,066,503	970,999
	Supplementary series:[2]													
	Capital goods industries	48,735	44,216	45,318	+10.2	-2.4	+7.1	55,627	44,844	44,799	47,619	+16.8	528,817	466,264
	Nondefense	38,749	35,825	34,623	+8.2	+3.5	-0.7	42,279	35,563	34,036	36,308	+16.4	419,559	356,478
	Excluding aircraft and parts	28,118	28,574	28,752	-1.6	-0.6	+0.4	30,460	28,348	28,403	28,371	+7.4	339,884	301,062
	Defense	9,986	8,391	10,695	+19.0	-21.5	+43.2	13,348	9,281	10,763	11,311	+18.0	109,258	109,786
	Household durable goods industries	7,272	6,963	6,590	+4.4	+5.7	-2.9	6,031	6,586	6,789	5,054	+19.3	78,985	75,832

p Preliminary. r Revised. (N) When new orders for a prior month are negative because of cancellations or as a result of seasonal adjustment, the percentage change calculation is algebraically negative even though there is a net dollar increase from the prior month to the current month.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Dec. 1988P	Nov. 1988r	Oct. 1988	Percent change: Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Not seasonally adjusted[1]: End of month: Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Percent change: Dec. 88/87P
	All manufacturing industries	468,307	460,802	457,281	+1.6	+0.8	+0.9	462,993	454,256	451,858	415,998	+11.3
	Durable goods industries	447,124	439,895	436,734	+1.6	+0.7	+1.0	442,825	434,209	431,551	396,563	+11.7
32	Stone, clay, and glass products	5,897	5,983	5,889	-1.4	+1.6	-0.1	5,613	5,819	5,708	5,077	+10.6
33	Primary metals	25,742	25,388	25,473	+1.4	-0.3	+0.2	25,082	23,811	24,060	23,178	+8.2
331	Blast furnaces, steel mills	10,816	10,754	11,010	+0.6	-2.3	-3.7	10,729	10,008	10,180	11,425	-6.1
332	Iron and steel foundries	2,195	2,206	2,244	-0.5	-1.7	+0.8	2,131	2,190	2,229	1,931	+10.4
333-9	Nonferrous and other primary metals	12,731	12,428	12,219	+2.4	+1.7	+3.9	12,222	11,613	11,651	9,822	+24.4
34	Fabricated metal products	28,390	28,354	28,540	+0.1	-0.7	-0.3	28,179	28,016	28,243	29,649	-5.0
35	Machinery, except electrical	59,677	59,896	59,347	-0.4	+0.9	+0.4	58,986	59,609	58,837	51,991	+13.5
351	Engines and turbines	4,475	5,252	5,260	-14.8	-0.2	0.0	4,603	5,455	5,432	5,322	-13.5
353	Construction, mining, and material handling equipment	8,142	8,112	8,080	+0.4	+0.4	+2.6	8,289	8,075	7,946	7,053	+17.5
354	Metalworking machinery	4,826	4,646	4,372	+3.9	+6.3	+2.4	4,546	4,676	4,444	2,736	+66.2
357	Office and computing machines	13,479	13,539	13,581	-0.4	-0.3	-1.0	13,102	13,520	13,510	13,516	-3.1
36	Electrical machinery	93,862	93,529	92,518	+0.4	+1.1	0.0	92,509	92,671	92,465	92,144	+.4
361,2	Electrical transmission and distribution equipment and industrial apparatus	6,891	6,950	6,996	-0.8	-0.7	+2.4	6,840	6,914	6,979	6,386	+7.1
366	Communication equipment	66,293	65,818	64,586	+0.7	+1.9	0.0	65,644	65,555	64,738	66,362	-1.1
367	Electronic components	14,872	14,977	15,212	-0.7	-1.5	-2.0	14,396	14,461	14,874	14,343	+.4
364,9	Other electrical machinery	4,766	4,783	4,737	-0.4	+1.0	+3.9	4,699	4,749	4,847	4,114	+14.2
37	Transportation equipment	211,348	205,091	203,650	+3.1	+0.7	+2.0	211,655	203,586	201,337	174,709	+21.1
372,6	Aircraft, missiles, and parts	173,958	169,763	168,121	+2.5	+1.0	+1.7	174,328	168,377	165,950	145,406	+19.9
3731,95	Shipbuilding and military tank vehicles	26,273	24,195	24,381	+8.6	-0.8	+5.5	26,237	24,232	24,403	18,779	+39.7
38	Instruments and related products	14,679	14,272	13,964	+2.9	+2.2	+1.4	14,583	14,166	13,940	13,498	+8.0
381-4	Scientific and engineering instruments	13,515	13,281	13,014	+1.8	+2.1	+1.5	13,529	13,257	13,005	12,560	+7.7
24,25, 39	All other durable goods	7,529	7,382	7,353	+2.0	+0.4	-0.4	6,218	6,531	6,961	6,317	-1.6
	Nondurable goods industries	21,183	20,907	20,547	+1.3	+1.8	-0.8	20,168	20,047	20,307	19,435	+3.8
	Market categories:											
	Home goods and apparel	8,379	8,200	8,173	+2.2	+0.3	-1.5	6,592	7,051	7,712	7,078	-6.9
	Consumer staples	843	863	848	-2.3	+1.8	-3.7	844	822	790	668	+26.3
	Equipment and defense products, except automotive	285,787	278,513	274,659	+2.6	+1.4	+1.0	285,502	276,871	272,293	252,192	+13.2
	Automotive equipment	8,882	8,782	8,714	+1.1	+0.8	-0.1	8,855	8,626	8,550	9,203	-3.8
	Construction materials, supplies and intermediate products	15,571	15,545	15,527	+0.2	+0.1	+0.5	15,145	15,184	15,198	14,595	+3.8
	Other materials, supplies, and intermediate products	148,845	148,899	149,360	0.0	-0.3	+1.0	146,055	145,702	147,315	132,262	+10.4
	Supplementary series:[2]											
	Capital goods industries	344,269	337,971	334,927	+1.9	+0.9	+1.3	343,192	336,095	332,539	300,982	+14.0
	Nondefense	179,295	172,884	169,571	+3.7	+2.0	+1.2	178,402	172,580	169,274	138,860	+28.5
	Excluding aircraft and parts	87,281	87,896	87,413	-0.7	+0.6	+0.9	86,388	87,592	87,116	77,712	+11.2
	Defense	164,974	165,087	165,356	-0.1	-0.2	+1.4	164,790	163,515	163,265	162,122	+1.6
	Household durable goods industries	6,089	5,898	5,884	+3.2	+0.2	-1.4	4,713	4,982	5,446	4,947	-4.7

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Dec. 1988p	Nov. 1988r	Oct. 1988	Percent change: Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Not seasonally adjusted[1]: End of month: Dec. 1988p	Nov. 1988r	Oct. 1988	Dec. 1987	Percent change Dec. 88/87p
	All manufacturing industries	353,997	351,603	349,412	+0.7	+0.6	+0.5	348,341	350,223	348,699	325,695	+7.0
	Manufacturing industries with unfilled orders	246,088	243,919	241,922	+0.9	+0.8	+0.5	240,560	242,425	241,558	222,585	+8.1
	Durable goods industries	233,666	231,766	229,735	+0.8	+0.9	+0.7	229,069	230,625	229,283	212,265	+7.9
	With unfilled orders	215,578	213,556	211,676	+0.9	+0.9	+0.6	210,962	212,651	211,828	195,020	+8.2
32	Stone, clay, and glass products	7,496	7,464	7,551	+0.4	-1.2	+2.2	7,359	7,241	7,245	7,067	+4.1
33	Primary metals	20,181	19,980	19,825	+1.0	+0.8	+1.4	20,058	19,946	19,764	17,994	+11.5
331	Blast furnaces, steel mills	10,038	9,763	9,677	+2.8	+0.9	+1.3	10,048	9,896	9,810	8,535	+17.7
332	Iron and steel foundries	1,304	1,311	1,303	-0.5	+0.6	+1.6	1,277	1,258	1,250	1,272	+.4
333-9	Nonferrous and other primary metals	8,839	8,906	8,845	-0.8	+0.7	+1.5	8,733	8,792	8,704	8,187	+6.7
34	Fabricated metal products	23,535	23,478	23,430	+0.2	+0.2	-0.3	23,187	23,200	23,165	22,389	+3.6
35	Machinery, except electrical	46,728	46,172	45,992	+1.2	+0.4	+0.4	45,830	46,087	45,836	41,085	+11.5
351	Engines and turbines	2,978	3,094	3,055	-3.7	+1.3	+1.7	2,795	3,187	3,132	2,501	+11.8
353	Construction, mining, and material handling equipment	7,673	7,464	7,407	+2.8	+0.8	+2.0	7,635	7,434	7,379	6,521	+17.1
354	Metalworking machinery	3,028	2,944	3,098	+2.9	-5.0	-1.7	2,931	2,946	3,098	2,576	+13.8
357	Office and computing machines	12,177	12,009	11,931	+1.4	+0.7	+1.2	11,885	11,964	11,971	10,459	+13.6
36	Electrical machinery	40,686	40,746	40,010	-0.1	+1.8	+0.5	39,698	40,263	39,990	38,421	+3.3
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,221	5,161	5,055	+1.2	+2.1	-0.6	5,084	5,073	5,014	4,844	+5.0
363	Household appliances	2,901	2,859	2,759	+1.5	+3.6	+0.9	2,753	2,684	2,617	2,728	+.9
365	Radio and TV	1,433	1,424	1,405	+0.6	+1.4	+1.8	1,323	1,379	1,393	1,311	+.9
366	Communication equipment	16,006	16,165	16,033	-1.0	+0.8	-0.1	15,683	16,211	16,209	16,131	-2.8
367	Electronic components	8,769	8,884	8,569	-1.3	+3.7	+1.2	8,690	8,772	8,577	7,705	+12.8
364,9	Other electrical machinery	6,356	6,253	6,189	+1.6	+1.0	+1.6	6,165	6,144	6,180	5,702	+8.1
37	Transportation equipment	63,250	62,305	61,578	+1.5	+1.2	+1.1	61,714	62,861	62,364	55,866	+10.5
371	Motor vehicles and parts	11,830	11,872	11,657	-0.4	+1.8	+0.8	11,838	12,060	11,710	11,399	+3.9
372,6	Aircraft, missiles, and parts	47,416	46,077	45,544	+2.9	+1.2	+1.0	45,909	46,362	46,242	40,771	+12.6
3731,95	Shipbuilding and military tank vehicles	1,966	2,274	2,257	-13.5	+0.8	+4.9	1,865	2,325	2,341	1,801	+3.6
38	Instruments and related products	14,095	13,798	13,578	+2.2	+1.6	+0.5	13,740	13,724	13,587	12,335	+11.4
381-4	Scientific and engineering instruments	10,288	10,006	9,900	+2.8	+1.1	+0.2	10,144	10,043	9,941	9,166	+10.7
386	Photographic goods	3,193	3,170	3,089	+0.7	+2.6	+1.8	3,011	3,088	3,074	2,553	+17.9
24,25, 39	All other durable goods	17,695	17,823	17,771	-0.7	+0.3	+0.1	17,483	17,303	17,332	17,108	+2.2
	Nondurable goods industries	120,331	119,837	119,677	+0.4	+0.1	+0.1	119,272	119,598	119,416	113,430	+5.2
	With unfilled orders	30,510	30,363	30,246	+0.5	+0.4	0.0	29,598	29,774	29,730	27,565	+7.4
20	Food and kindred products	26,371	26,003	25,791	+1.4	+0.8	+0.2	26,864	27,210	26,978	25,163	+6.8
202	Dairy products	2,440	2,342	2,291	+4.2	+2.2	+0.4	2,369	2,316	2,305	2,176	+8.9
208	Beverages	4,423	4,499	4,469	-1.7	+0.7	-0.7	4,423	4,445	4,400	4,544	-2.7
203-6,9	All other foods	14,882	14,678	14,641	+1.4	+0.3	0.0	15,358	15,630	15,829	14,734	+4.2
21	Tobacco products	5,597	5,710	5,810	-2.0	-1.7	+0.8	5,888	5,733	5,872	5,893	-.1
22	Textile mill products	7,606	7,648	7,620	-0.5	+0.4	+1.0	7,340	7,433	7,406	7,210	+1.8
221-4,6, 8,9	Broadwoven fabrics	4,385	4,425	4,414	-0.9	+0.2	+0.3	4,284	4,354	4,281	4,245	+.9
26	Paper and allied products	12,090	11,939	11,835	+1.3	+0.9	+0.5	11,966	11,765	11,543	11,094	+7.9
261-3,6	Pulp, paper etc.	4,318	4,253	4,196	+1.5	+1.4	+0.3	4,327	4,183	4,082	3,905	+10.8
265	Paperboard containers	3,260	3,245	3,254	+0.5	-0.3	+0.4	3,211	3,142	3,150	2,898	+10.8
264	All other paper products	4,512	4,441	4,385	+1.6	+1.3	+0.8	4,428	4,440	4,311	4,291	+3.2
28	Chemicals and allied products	27,500	27,235	27,060	+1.0	+0.6	+0.7	27,304	27,044	26,726	24,843	+9.9
281,6	Industrial chemicals, except pigments	7,322	7,189	7,056	+1.9	+1.9	+1.0	7,234	7,100	6,995	6,559	+10.3
283,4	Drugs, soaps, and toiletries	9,511	9,547	9,539	-0.4	+0.1	-0.1	9,302	9,546	9,455	8,663	+7.4
282,9	Other chemical products	6,896	6,932	6,870	-0.5	+0.9	+1.9	6,896	6,755	6,660	6,088	+13.3
29	Petroleum and coal products	8,790	8,757	9,092	+0.4	-3.7	-2.6	8,791	9,108	9,268	9,903	-11.2
30	Rubber and plastics products	10,307	10,394	10,298	-0.8	+0.9	+2.1	10,119	10,068	9,941	8,957	+13.0
23,27, 31	All other nondurable goods	22,070	22,151	22,171	-0.4	-0.1	-1.2	21,000	21,237	21,682	20,367	+3.1
	Market categories:											
	Home goods and apparel	26,245	26,459	26,328	-0.8	+0.5	-0.6	25,163	25,156	25,472	25,701	-2.1
	Consumer staples	44,850	44,485	44,367	+0.8	+0.3	+0.2	45,056	45,264	45,372	42,603	+5.8
	Equipment and defense products, except automotive	105,249	103,320	102,586	+1.9	+0.7	+0.7	103,023	103,506	103,144	93,978	+9.6
	Automotive equipment	14,692	14,717	14,533	-0.2	+1.3	+0.8	14,721	14,871	14,448	14,053	+4.8
	Construction materials, supplies and intermediate products	25,324	25,303	25,392	+0.1	-0.4	+0.8	24,976	24,694	24,671	23,912	+4.4
	Other materials, supplies, and intermediate products	137,637	137,319	136,206	+0.2	+0.8	+0.5	135,402	136,732	135,592	125,448	+7.9
	Supplementary series:[2]											
	Capital goods industries	121,164	119,518	118,529	+1.4	+0.8	+0.8	117,903	119,632	119,384	107,668	+9.5
	Nondefense	85,799	84,167	83,119	+1.9	+1.3	+0.4	83,723	84,346	83,553	75,201	+11.3
	Excluding aircraft and parts	64,401	63,770	63,401	+1.0	+0.6	+0.6	62,822	63,584	63,365	57,185	+9.9
	Defense	35,365	35,351	35,410	0.0	-0.2	+1.6	34,180	35,286	35,831	32,467	+5.3
	Household durable goods industries	12,715	12,712	12,600	0.0	+0.9	-0.1	12,230	12,193	12,307	12,376	-1.2

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Dec. 1988P	Nov. 1988r	Oct. 1988	Percent change: Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Not seasonally adjusted: End of month: Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Percent change: Dec. 88/87P
	MATERIALS AND SUPPLIES											
	All manufacturing industries	112,473	112,962	112,935	-0.4	0.0	+0.3	112,933	112,042	112,233	106,230	+6.3
	Durable goods industries	65,212	65,298	65,324	-0.1	0.0	+0.1	65,289	65,077	65,263	61,416	+6.3
32	Stone, clay, and glass products	2,450	2,444	2,424	+0.2	+0.8	+0.6	2,439	2,413	2,394	2,313	+5.4
33	Primary metals	6,216	6,109	6,085	+1.8	+0.4	-1.0	6,473	6,306	6,239	5,796	+11.7
34	Fabricated metal products	8,496	8,482	8,439	+0.2	+0.5	+0.1	8,523	8,402	8,292	8,213	+3.8
35	Machinery, except electrical	12,619	12,827	13,150	-1.6	-2.5	+0.7	12,589	12,770	13,148	11,906	+5.7
36	Electrical machinery	11,234	11,247	11,027	-0.1	+2.0	+2.1	11,053	10,992	10,908	10,182	+8.6
37	Transportation equipment	12,616	12,515	12,670	+0.8	-1.2	-2.3	12,640	12,527	12,693	12,229	+3.4
38	Instruments and related products	4,764	4,766	4,647	0.0	+2.6	+1.3	4,646	4,736	4,636	4,066	+14.3
24,25, 39	All other durable goods	6,817	6,908	6,882	-1.3	+0.4	+0.5	6,926	6,931	6,953	6,711	+3.2
	Nondurable goods industries	47,261	47,664	47,611	-0.8	+0.1	+0.5	47,644	46,965	46,970	44,814	+6.3
20	Food and kindred products	9,156	9,333	9,358	-1.9	-0.3	-0.7	9,450	9,591	9,482	9,171	+3.0
21	Tobacco products	4,336	4,434	4,533	-2.2	-2.2	+2.9	4,757	4,322	4,329	4,908	-3.1
22	Textile mill products	2,346	2,344	2,319	+0.1	+1.1	-0.6	2,292	2,214	2,196	2,189	+4.7
26	Paper and allied products	6,611	6,565	6,550	+0.7	+0.2	+0.6	6,608	6,468	6,414	5,957	+10.9
28	Chemicals and allied products	9,904	9,857	9,689	+0.5	+1.7	+1.2	9,794	9,681	9,628	8,635	+13.4
29	Petroleum and coal products	2,128	2,166	2,279	-1.8	-5.0	-2.4	2,167	2,183	2,264	2,495	-13.1
30	Rubber and plastics products	4,049	4,192	4,169	-3.4	+0.6	+2.0	4,134	4,078	4,072	3,551	+16.4
23,27, 31	All other nondurable goods	8,731	8,773	8,714	-0.5	+0.7	+0.2	8,442	8,428	8,585	7,908	+6.8
	WORK IN PROCESS											
	All manufacturing industries	127,554	125,955	124,411	+1.3	+1.2	+0.7	124,068	126,306	125,581	115,355	+7.6
	Durable goods industries	108,322	106,884	105,239	+1.3	+1.6	+0.8	105,342	107,063	106,267	97,122	+8.5
32	Stone, clay, and glass products	1,111	1,097	1,115	+1.3	-1.6	-0.5	1,074	1,042	1,074	1,027	+4.6
33	Primary metals	8,279	8,305	8,155	-0.3	+1.8	+2.4	8,094	8,173	8,097	7,168	+12.9
34	Fabricated metal products	8,468	8,369	8,395	+1.2	-0.3	+1.3	8,183	8,307	8,458	7,773	+5.3
35	Machinery, except electrical	18,318	18,247	17,760	+0.4	+2.7	-1.0	17,741	18,331	17,881	16,294	+8.9
36	Electrical machinery	19,625	19,685	19,461	-0.3	+1.2	-0.7	19,173	19,768	19,739	19,385	-1.1
37	Transportation equipment	43,439	42,348	41,654	+2.6	+1.7	+2.2	42,175	42,728	42,353	37,107	+13.7
38	Instruments and related products	5,440	5,226	5,167	+4.1	+1.1	-1.6	5,284	5,198	5,196	4,756	+11.1
24,25, 39	All other durable goods	3,642	3,607	3,532	+1.0	+2.1	+0.6	3,618	3,516	3,469	3,612	+.2
	Nondurable goods industries	19,232	19,071	19,172	+0.8	-0.5	+0.3	18,726	19,243	19,314	18,233	+2.7
20	Food and kindred products	2,732	2,744	2,853	-0.4	-3.8	+3.9	2,713	2,792	2,905	2,574	+5.4
21	Tobacco products	204	228	224	-10.5	+1.8	-10.4	232	322	359	176	+31.8
22	Textile mill products	2,327	2,317	2,322	+0.4	-0.2	+2.1	2,271	2,314	2,311	2,199	+3.3
26	Paper and allied products	1,319	1,275	1,268	+3.5	+0.6	-1.6	1,295	1,287	1,268	1,226	+5.6
28	Chemicals and allied products	4,401	4,278	4,239	+2.9	+0.9	+2.6	4,172	4,261	4,259	3,724	+12.0
29	Petroleum and coal products	2,354	2,325	2,370	+1.2	-1.9	-3.3	2,357	2,456	2,439	2,637	-10.6
30	Rubber and plastics products	1,414	1,420	1,400	-0.4	+1.4	+1.1	1,413	1,420	1,383	1,314	+7.5
23,27, 31	All other nondurable goods	4,481	4,484	4,496	-0.1	-0.3	-1.9	4,273	4,391	4,390	4,383	-2.5
	FINISHED GOODS											
	All manufacturing industries	113,970	112,686	112,066	+1.1	+0.6	+0.4	111,340	111,875	110,885	104,110	+6.9
	Durable goods industries	60,132	59,584	59,172	+0.9	+0.7	+1.1	58,438	58,485	57,753	53,727	+8.8
32	Stone, clay, and glass products	3,935	3,923	4,012	+0.3	-2.2	+4.0	3,846	3,786	3,777	3,727	+3.2
33	Primary metals	5,686	5,566	5,585	+2.2	-0.3	+2.8	5,491	5,467	5,428	5,030	+9.2
34	Fabricated metal products	6,571	6,627	6,596	-0.8	+0.5	-2.7	6,481	6,491	6,415	6,403	+1.2
35	Machinery, except electrical	15,791	15,098	15,082	+4.6	+0.1	+2.0	15,500	14,986	14,807	12,885	+20.3
36	Electrical machinery	9,827	9,814	9,522	+0.1	+3.1	+1.4	9,472	9,503	9,343	8,854	+7.0
37	Transportation equipment	7,195	7,442	7,254	-3.3	+2.6	+0.7	6,899	7,606	7,318	6,530	+5.7
38	Instruments and related products	3,891	3,806	3,764	+2.2	+1.1	+2.3	3,810	3,790	3,755	3,513	+8.5
24,25, 39	All other durable goods	7,236	7,308	7,357	-1.0	-0.7	-0.3	6,939	6,856	6,910	6,785	+2.3
	Nondurable goods industries	53,838	53,102	52,894	+1.4	+0.4	-0.4	52,902	53,390	53,132	50,383	+5.0
20	Food and kindred products	14,483	13,926	13,580	+4.0	+2.5	+0.1	14,701	14,827	14,591	13,418	+9.6
21	Tobacco products	1,057	1,048	1,053	+0.9	-0.5	-5.0	899	1,089	1,184	809	+11.1
22	Textile mill products	2,933	2,987	2,979	-1.8	+0.3	+1.4	2,777	2,905	2,899	2,822	-1.6
26	Paper and allied products	4,160	4,099	4,017	+1.5	+2.0	+1.0	4,063	4,010	3,861	3,911	+3.9
28	Chemicals and allied products	13,195	13,100	13,132	+0.7	-0.2	-0.3	13,338	13,102	12,839	12,484	+6.8
29	Petroleum and coal products	4,308	4,266	4,443	+1.0	-4.0	-2.4	4,267	4,469	4,565	4,771	-10.6
30	Rubber and plastics products	4,844	4,782	4,729	+1.3	+1.1	+2.5	4,572	4,570	4,486	4,092	+11.7
23,27, 31	All other nondurable goods	8,858	8,894	8,961	-0.4	-0.7	-2.2	8,285	8,418	8,707	8,076	+2.6

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Dec. 1988P	Nov. 1988r	Oct. 1988	Sept. 1988	Dec. 1988P	Nov. 1988r	Oct. 1988	Sept. 1988
	All manufacturing industries	1.54	1.57	1.57	1.57	3.67	3.69	3.70	3.66
	Durable goods industries	1.89	1.93	1.94	1.93	4.43	4.48	4.49	4.43
32	Stone, clay, and glass products	1.35	1.34	1.39	1.37	1.15	1.16	1.17	1.18
33	Primary metals	1.57	1.57	1.60	1.58	2.00	2.00	2.06	2.06
34	Fabricated metal products	1.83	1.86	1.93	1.95	2.42	2.46	2.59	2.62
35	Machinery, except electrical	2.19	2.21	2.19	2.16	2.96	3.03	2.98	2.94
36	Electrical machinery	2.05	2.13	2.11	2.06	4.73	4.90	4.89	4.78
37	Transportation equipment	1.95	2.01	1.99	2.03	11.56	11.66	11.41	11.26
38	Instruments and related products	2.27	2.32	2.24	2.20	2.36	2.39	2.31	2.24
	Nondurable goods industries	1.13	1.14	1.15	1.16	0.79	0.78	0.78	0.79
20	Food and kindred products	0.86	0.85	0.84	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	2.82	2.71	3.04	2.85	(X)	(X)	(X)	(X)
22	Textile mill products	1.41	1.45	1.56	1.49	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.11	1.11	1.12	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.31	1.28	1.29	1.33	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.87	0.88	0.89	0.91	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.24	1.33	1.30	1.28	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988	Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988	Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988	Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988
	All manufacturing industries	0.2	0.5	0.2	0.5	0.5	0.3	0.2	0.2	0.1	0.2	0.2	0.1
	Durable goods industries	0.2	0.8	0.2	0.8	0.9	0.4	0.1	0.2	0.1	0.2	0.2	0.1
32	Stone, clay, and glass products	0.5	1.4	0.6	0.4	0.7	0.5	0.1	1.6	0.4	0.1	0.2	0.2
33	Primary metals	0.1	1.3	0.3	1.5	2.2	0.8	0.8	0.6	0.3	1.0	0.6	0.4
34	Fabricated metal products	0.8	0.8	0.5	0.0	0.5	0.8	0.5	0.4	0.3	0.3	0.8	0.1
35	Machinery, except electrical	0.4	1.3	0.5	0.3	1.4	1.1	0.3	0.3	0.4	0.6	0.3	0.2
36	Electrical machinery	2.1	2.9	0.5	2.4	2.1	0.7	0.1	0.4	0.1	1.2	0.7	0.2
37	Transportation equipment	0.0	0.5	0.2	0.4	2.0	0.4	0.1	0.3	0.1	0.1	0.2	0.1
38	Instruments and related products	0.4	1.2	0.7	0.8	1.3	1.2	0.2	0.4	0.4	0.4	0.4	0.2
	Nondurable goods industries	0.0	0.1	0.2	0.1	0.1	0.2	0.4	0.4	0.7	0.0	0.3	0.1
20	Food and kindred products	0.5	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products	0.0	0.6	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	0.0	0.5	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.0	0.5
26	Paper and allied products	0.5	0.8	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.5	0.1
28	Chemicals and allied product	0.2	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
29	Petroleum and coal products	1.0	1.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.7	1.1	0.5
30	Rubber and plastics products	0.3	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.8	0.3
	Capital goods industries:												
	Nondefense	0.1	1.3	0.4	0.2	1.1	0.8	0.0	0.1	0.1	0.0	0.3	0.1
	Defense	1.4	1.3	0.7	4.5	5.9	1.3	0.2	0.3	0.0	1.0	0.6	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

M3-1-(89)-1

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

January 1989
M3-1-(89)-1
For Wire Transmission 10:00 a.m. E.S.T. Friday, March 3, 1989

U.S. Department of Commerce
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in January declined $3.1 billion or 1.3 percent to $235.8 billion, the Department of Commerce, Bureau of the Census reported today. This is the first decline since September, and followed a 1.7 percent increase in December.

Shipments of manufactured goods in January were up $0.8 billion or 0.3 percent from December to $231.6 billion. Shipments in December were up 2.8 percent. Unfilled orders in January were up $4.2 billion or 0.9 percent to $473.1 billion; they have increased steadily since February 1987.

Manufacturers' inventories were up $3.2 billion or 0.9 percent in January to $357.3 billion, also continuing a twenty-three month upward trend. The inventory to shipments ratio in January was 1.54, up from 1.53 in December.

New Orders

Most of the decline in new orders in January was in the durable goods sector, down $3.6 billion or 2.7 percent to $128.5 billion. Transportation equipment decreased $3.4 billion or 8.5 percent from a record December level of $39.6 billion. The January decline was concentrated in shipbuilding and tanks; aircraft and parts orders were down 5.1 percent from December to $13.3 billion. Electrical machinery declined $0.3 billion or 1.7 percent to $19.6 billion. Declines in communication equipment and electronic components were partially offset by increases in the other categories. Orders for nonelectrical machinery increased $0.4 billion or 1.6 percent to $22.1 billion. Fabricated metals increased $0.1 billion or 1.0 percent to $13.0 billion.

New orders for nondurable goods were up $0.5 billion or 0.5 percent to $107.3 billion.

Shipments

Shipments of nondurable goods increased $0.9 billion or 0.9 percent to $107.6 billion. The largest increases were in foods, up $0.7 billion or 2.4 percent to $31.7 billion and chemicals, up $0.2 billion or 1.2 percent to $21.4 billion. Shipments of durable goods declined $0.2 billion or 0.1 percent to $124.0 billion; the largest decrease was in transportation equipment, down $0.6 billion or 1.9 percent to $31.9 billion.

Unfilled Orders

Unfilled orders for durable goods in January increased $4.5 billion or 1.0 percent to $452.4 billion. Transportation equipment increased $4.3 billion or 2.0 percent to $216.4 billion; an increase in commercial aircraft more than offset declines in defense aircraft and parts and shipbuilding. Primary metals increased $0.2 billion or 0.9 percent to $26.0 billion; an increase in steel more than offset a decline in nonferrous metals. Nonelectrical machinery increased $0.7 billion or 1.1 percent to $60.6 billion. The largest decline in unfilled orders was in electrical machinery, down $0.3 billion or 0.4 percent to $93.2 billion. Unfilled orders for nondurables declined $0.3 billion or 1.5 percent to $20.7 billion.

Inventories

Inventories of durable goods in January increased $2.9 billion or 1.2 percent to $236.6 billion. Almost all major industries had increases, but transportation equipment accounted for about half of the increase, up $1.4 billion or 2.2 percent to $64.6 billion.

Inventories of nondurable goods in January increased $0.3 billion or 0.2 percent to $120.8 billion. Petroleum products showed the largest increase; tobacco and apparel had the largest declines.

By stage of fabrication, materials and supplies inventories increased 0.5 percent, work in process, 0.9 percent, and finished goods 1.3 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for February is scheduled for March 22, 1989 at 8:30 a.m. and the full report on March 30, 1989 at 10:00 a.m.

See description of survey methodology on page 10.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
MAY 2 1989
BOSTON PUBLIC LIBRARY

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyon or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Jan. 1989P	Dec. 1988R	Nov. 1988	Dec.-Jan.P	Nov.-Dec.R	Oct.-Nov.	Jan. 1989P	Dec. 1988R	Nov. 1988	Jan. 1988R	Jan. 89/88P	1989P	1988R
	All manufacturing industries	231,613	230,827	224,632	+0.3	+2.8	+0.8	211,716	226,032	222,837	188,349	+12.4	211,716	188,349
	Manufacturing industries with unfilled orders	127,935	128,078	124,776	-0.1	+2.6	+1.1	114,960	128,990	124,534	102,783	+11.8	114,960	102,783
	Durable goods industries	124,017	124,175	119,874	-0.1	+3.6	+1.2	111,009	122,482	118,636	97,328	+14.1	111,009	97,328
	With unfilled orders	100,918	101,143	98,135	-0.2	+3.1	+1.0	89,625	102,473	97,698	79,234	+13.1	89,625	79,234
32	Stone, clay, and glass products	5,633	5,549	5,588	+1.5	-0.7	+2.7	4,865	4,813	5,307	4,449	+9.4	4,865	4,449
33	Primary metals	12,894	12,861	12,709	+0.3	+1.2	+2.7	12,130	11,796	12,308	10,280	+18.0	12,130	10,280
331	Blast furnaces, steel mills	5,243	5,201	5,206	+0.8	-0.1	+1.1	5,049	4,836	4,945	4,586	+10.1	5,049	4,586
332	Iron and steel foundries	894	921	892	-2.9	+3.3	+0.8	824	781	903	702	+17.4	824	702
333-9	Nonferrous and other primary metals	6,757	6,739	6,611	+0.3	+1.9	+4.4	6,257	6,179	6,460	4,992	+25.3	6,257	4,992
34	Fabricated metal products	13,116	12,863	12,597	+2.0	+2.1	+3.9	11,717	11,732	12,234	10,212	+14.7	11,717	10,212
35	Machinery, except electrical	21,399	21,642	20,894	-1.1	+3.6	-0.4	18,485	23,686	20,124	16,521	+11.9	18,485	16,521
351	Engines and turbines	1,345	1,466	1,328	-8.3	+10.4	-4.9	1,176	1,812	1,311	1,079	+9.0	1,176	1,079
353	Construction, mining, and material handling equipment	2,694	2,529	2,450	+6.5	+3.2	-2.7	2,411	2,441	2,452	2,120	+13.7	2,411	2,120
354	Metalworking machinery	1,032	1,076	995	-4.1	+8.1	+7.7	862	1,181	1,038	758	+13.7	862	758
357	Office and computing machines	5,527	5,703	5,483	-3.1	+4.0	-3.0	4,068	8,007	5,482	3,936	+2.8	4,068	3,936
36	Electrical machinery	19,936	19,953	19,099	-0.1	+4.5	+0.9	17,775	20,728	19,640	16,391	+8.4	17,775	16,391
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,536	2,391	2,395	+6.1	-0.2	-2.0	2,277	2,393	2,386	1,974	+15.3	2,277	1,974
363	Household appliances	1,576	1,526	1,466	+3.3	+4.1	+0.3	1,442	1,343	1,378	1,372	+5.1	1,442	1,372
365	Radio and TV	992	992	1,073	0.0	-7.5	+4.7	894	960	1,222	811	+10.2	894	811
366	Communication equipment	6,499	6,753	6,137	-3.8	+10.1	+0.8	5,378	7,969	6,274	5,068	+6.1	5,378	5,068
367	Electronic components	4,800	4,768	4,522	+0.7	+5.4	-3.3	4,474	4,493	4,528	4,051	+10.4	4,474	4,051
364,9	Other electrical machinery	3,533	3,521	3,506	+0.3	+0.4	+8.4	3,310	3,570	3,852	3,115	+6.3	3,310	3,115
37	Transportation equipment	31,918	32,521	30,960	-1.9	+5.0	+0.1	29,134	31,993	31,334	24,460	+19.1	29,134	24,460
371	Motor vehicles and parts	21,001	20,948	19,671	+0.3	+6.5	+0.4	20,139	18,020	20,049	15,500	+29.9	20,139	15,500
372,6	Aircraft, missiles, and parts	8,863	9,186	9,121	-3.5	+0.7	-1.5	7,095	11,558	9,301	7,136	-0.6	7,095	7,136
3731,95	Shipbuilding and military tank vehicles	904	1,126	870	-19.7	+29.4	+3.9	761	1,347	852	809	-5.9	761	809
38	Instruments and related products	6,552	6,342	5,960	+3.3	+6.4	-1.6	5,982	6,523	5,901	5,140	+16.4	5,982	5,140
381-4	Scientific and engineering instruments	4,388	4,265	4,001	+2.9	+6.6	-2.3	4,125	4,403	3,818	3,590	+14.9	4,125	3,590
386	Photographic goods	1,985	1,921	1,812	+3.3	+6.0	+0.1	1,711	1,983	1,936	1,382	+23.8	1,711	1,382
24,25, 39	All other durable goods	12,569	12,442	12,067	+1.0	+3.1	+3.8	10,921	11,209	11,588	9,875	+10.6	10,921	9,875
	Nondurable goods industries	107,596	106,652	104,758	+0.9	+1.8	+0.3	100,707	103,550	104,201	91,021	+10.6	100,707	91,021
	With unfilled orders	27,017	26,933	26,641	+0.3	+1.1	+1.3	25,335	26,515	26,836	23,549	+7.6	25,335	23,549
20	Food and kindred products	31,740	30,995	30,607	+2.4	+1.3	+0.1	29,705	30,719	30,582	26,564	+11.8	29,705	26,564
202	Dairy products	4,217	4,258	4,176	-1.0	+2.0	+0.1	4,006	4,126	4,142	3,753	+6.7	4,006	3,753
208	Beverages	4,267	4,063	4,146	+5.0	-2.0	+6.2	3,755	3,623	3,910	3,421	+9.8	3,755	3,421
203-6,9	All other foods	14,897	14,507	14,347	+2.7	+1.1	-0.2	13,929	14,832	14,601	12,031	+15.8	13,929	12,031
21	Tobacco products	1,903	1,957	2,109	-2.8	-7.2	+10.4	1,218	2,455	2,253	985	+23.7	1,218	985
22	Textile mill products	5,512	5,397	5,269	+2.1	+2.4	+7.8	4,727	5,118	5,221	4,143	+14.1	4,727	4,143
221-4,6, 8,9	Broadwoven fabrics	3,241	3,182	3,172	+1.9	+0.3	+7.5	2,852	3,206	3,081	2,631	+8.4	2,852	2,631
26	Paper and allied products	10,989	10,936	10,779	+0.3	+1.6	+1.0	10,697	10,528	10,373	9,520	+12.4	10,697	9,520
261-3,6	Pulp, paper etc.	4,923	4,860	4,794	+1.3	+1.4	+0.7	4,914	4,803	4,647	4,313	+13.9	4,914	4,313
265	Paperboard containers	2,612	2,680	2,686	-2.5	-0.2	+2.1	2,442	2,463	2,362	2,227	+9.7	2,442	2,227
264	All other paper products	3,454	3,416	3,299	+1.1	+3.5	+0.7	3,341	3,260	3,164	2,980	+12.1	3,341	2,980
28	Chemicals and allied products	21,354	21,110	21,352	+1.2	-1.1	+1.9	20,823	20,397	20,104	18,317	+13.7	20,823	18,317
281,6	Industrial chemicals, except pigments	6,138	6,059	6,113	+1.3	-0.9	+2.1	5,837	5,910	5,936	4,970	+17.4	5,837	4,970
283,4	Drugs, soaps, and toiletries	6,533	6,298	6,434	+3.7	-2.1	+2.1	6,605	6,319	6,140	5,900	+11.9	6,605	5,900
282,9	Other chemical products	5,807	5,738	5,676	+0.9	+1.	+0.3	5,488	5,553	5,517	4,853	+13.1	5,488	4,853
29	Petroleum and coal products	10,259	10,237	9,940	+0.2	+3.0	-2.9	9,980	10,363	10,120	9,790	+1.9	9,980	9,790
30	Rubber and plastics products	8,429	8,318	7,835	+1.3	+6.2	-0.7	7,779	7,518	7,724	6,447	+20.7	7,779	6,447
23,27, 31	All other nondurable goods	17,410	17,682	16,867	-1.5	+4.8	-2.9	15,778	16,452	17,824	15,255	+3.4	15,778	15,255
	Market categories:													
	Home goods and apparel	15,112	15,317	14,454	-1.3	+6.0	+0.5	12,903	12,834	14,898	11,971	+7.8	12,903	11,971
	Consumer staples	44,636	43,518	43,253	+2.6	+0.6	+0.7	41,411	43,826	43,576	36,921	+12.2	41,411	36,921
	Equipment and defense products, except automotive	37,231	38,315	36,537	-2.8	+4.9	+0.4	31,664	43,621	35,706	29,244	+8.3	31,664	29,244
	Automotive equipment	23,474	23,527	22,243	-0.2	+5.8	+0.8	22,379	20,187	22,393	17,519	+27.7	22,379	17,519
	Construction materials, supplies and intermediate products	18,360	18,102	17,529	+1.4	+3.3	+2.4	15,711	15,992	16,797	14,109	+11.4	15,711	14,109
	Other materials, supplies, and intermediate products	92,780	92,048	90,616	+0.8	+1.6	+0.7	87,648	89,372	89,467	78,383	+11.3	87,646	78,383
	Supplementary series:[2]													
	Capital goods industries	42,018	42,772	41,172	-1.8	+3.9	+0.4	35,642	48,979	41,288	33,053	+7.8	35,642	33,053
	Nondefense	33,267	32,675	32,512	+1.8	+0.5	-0.3	28,357	36,858	32,257	25,603	+10.8	28,357	25,603
	Excluding aircraft and parts	28,993	29,103	28,091	-0.4	+3.6	+0.6	25,035	32,067	27,872	22,472	+11.4	25,035	22,472
	Defense	8,751	10,097	8,660	-13.3	+16.6	+2.7	7,285	12,121	9,031	7,450	-2.2	7,285	7,450
	Household durable goods industries	7,076	6,934	6,949	+2.0	-0.2	+4.2	6,044	6,162	7,050	5,586	+8.2	6,044	5,586

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Jan. 1989p	Dec. 1988r	Nov. 1988	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1989p	Dec. 1988r	Nov. 1988	Jan. 1988r	Jan. 89/88p	1989p	1988r
	All manufacturing industries	235,826	238,886	228,153	-1.3	+4.7	+0.5	221,598	235,710	225,235	198,988	+11.4	221,598	198,988
	Manufacturing industries with unfilled orders	132,148	136,137	126,297	-2.9	+6.1	+0.5	124,842	138,668	126,932	113,422	+10.1	124,842	113,422
	Durable goods industries	128,545	132,149	123,035	-2.7	+7.4	+0.2	120,557	132,230	121,294	107,342	+12.3	120,557	107,342
	With unfilled orders	105,446	109,119	101,296	-3.4	+7.7	-0.2	99,173	112,223	100,356	89,248	+11.1	99,173	89,248
32	Stone, clay, and glass products	5,482	5,438	5,682	+0.8	-4.3	+4.5	4,879	4,608	5,618	4,770	+2.3	4,879	4,770
33	Primary metals	13,126	13,210	12,624	-0.6	+4.6	+1.6	13,376	13,129	12,059	11,465	+16.7	13,376	11,465
331	Blast furnaces, steel mills	5,857	5,350	4,950	+9.5	+8.1	+4.7	6,014	5,553	4,773	4,957	+21.3	6,014	4,957
332	Iron and steel foundries	938	958	854	-2.1	+12.2	-5.4	984	771	864	803	+22.5	984	803
333-9	Nonferrous and other primary metals	6,331	6,902	6,820	-8.3	+1.2	+0.4	6,378	6,805	6,422	5,705	+11.8	6,378	5,705
34	Fabricated metal products	13,043	12,917	12,411	+1.0	+4.1	+3.2	11,790	11,908	12,007	9,920	+18.9	11,790	9,920
35	Machinery, except electrical	22,061	21,710	21,443	+1.6	+1.2	+1.2	19,677	23,356	20,896	17,904	+9.9	19,677	17,904
351	Engines and turbines	1,469	699	1,320	+110.2	-47.0	-5.6	1,282	959	1,334	1,006	+27.4	1,282	1,006
353	Construction, mining, and material handling equipment	2,782	2,758	2,482	+0.9	+11.1	-8.8	2,418	2,889	2,581	2,160	+11.9	2,418	2,160
354	Metalworking machinery	1,103	1,283	1,269	-14.0	+1.1	+23.8	938	1,087	1,270	846	+10.9	938	846
357	Office and computing machines	5,614	5,635	5,441	-0.4	+3.6	-1.3	4,122	7,557	5,492	4,051	+1.8	4,122	4,051
36	Electrical machinery	19,591	19,922	20,110	-1.7	-0.9	+6.0	18,201	20,447	19,846	18,366	-0.9	18,201	18,366
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,913	2,342	2,349	+24.4	-0.3	-10.0	2,693	2,327	2,321	2,077	+29.7	2,693	2,077
366	Communication equipment	5,964	6,888	7,369	-13.4	-6.5	+21.2	5,465	7,950	7,091	6,481	-15.7	5,465	6,481
367	Electronic components	4,472	4,638	4,287	-3.6	+8.2	-1.8	4,167	4,437	4,115	4,305	-3.2	4,167	4,305
364,9	Other electrical machinery	3,629	3,485	3,552	+4.1	-1.9	+4.0	3,378	3,485	3,754	3,115	+8.4	3,378	3,115
37	Transportation equipment	36,190	39,550	32,401	-8.5	+22.1	-7.2	34,941	40,874	33,583	29,068	+20.2	34,941	29,068
372,6	Aircraft, missiles, and parts	13,279	14,145	10,763	-6.1	+31.4	-10.3	12,945	18,313	11,728	11,198	+15.6	12,945	11,198
3731,95	Shipbuilding and military tank vehicles	571	3,206	684	-82.2	+368.7	-67.6	440	3,352	681	1,401	-68.6	440	1,401
38	Instruments and related products	6,575	6,860	6,268	-4.2	+9.4	+0.3	6,162	7,057	6,127	5,359	+15.0	6,162	5,359
381-4	Scientific and engineering instruments	4,474	4,611	4,268	-3.0	+8.0	-0.5	4,301	4,793	4,070	3,736	+15.1	4,301	3,736
24,25, 39	All other durable goods	12,477	12,542	12,096	-0.5	+3.7	+4.3	11,531	10,851	11,158	10,490	+9.9	11,531	10,490
	Nondurable goods industries	107,281	106,737	105,118	+0.5	+1.5	+0.8	101,041	103,480	103,941	91,646	+10.3	101,041	91,646
	With unfilled orders	26,702	27,018	27,001	-1.2	+0.1	+3.3	25,669	26,445	26,576	24,174	+6.2	25,669	24,174
	Market categories:													
	Home goods and apparel	15,110	15,504	14,481	-2.5	+7.1	+1.5	14,054	12,358	14,237	13,043	+7.8	14,054	13,043
	Consumer staples	44,604	43,491	43,268	+2.6	+0.5	+0.8	41,392	43,848	43,608	36,891	+12.2	41,392	36,891
	Equipment and defense products, except automotive	40,464	46,534	40,391	-13.0	+15.2	+3.1	36,961	53,447	40,284	33,591	+10.0	36,961	33,591
	Automotive equipment	23,442	23,633	22,311	-0.8	+5.9	+1.1	22,434	20,424	22,469	17,494	+28.2	22,434	17,494
	Construction materials, supplies and intermediate products	18,156	18,098	17,547	+0.3	+3.1	+2.1	15,710	15,949	16,783	14,434	+8.8	15,710	14,434
	Other materials, supplies, and intermediate products	94,050	91,626	90,155	+2.6	+1.6	-1.4	91,047	89,684	87,854	83,535	+9.0	91,047	83,535
	Supplementary series:[2]													
	Capital goods industries	46,931	49,839	44,216	-5.8	+12.7	-2.4	43,086	57,127	44,844	40,155	+7.3	43,086	40,155
	Nondefense	40,052	39,432	35,825	+1.6	+10.1	+3.5	35,850	43,051	35,563	30,055	+19.3	35,850	30,055
	Excluding aircraft and parts	30,224	28,815	28,574	+4.9	+0.8	-0.6	26,972	31,215	28,348	24,303	+11.0	26,972	24,303
	Defense	6,879	10,407	8,391	-33.9	+24.0	-21.5	7,236	14,076	9,281	10,100	-28.4	7,236	10,100
	Household durable goods industries	6,997	7,158	6,963	-2.2	+2.8	+5.7	6,880	5,909	6,586	6,397	+7.6	6,880	6,397

p Preliminary. r Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Jan. 1989P	Seasonally adjusted: End of month: Dec. 1988r	Seasonally adjusted: End of month: Nov. 1988	Seasonally adjusted: Percent change: Dec.-Jan.P	Seasonally adjusted: Percent change: Nov.-Dec.r	Seasonally adjusted: Percent change: Oct.-Nov.	Not seasonally adjusted[1]: End of month: Jan. 1989P	Not seasonally adjusted[1]: End of month: Dec. 1988r	Not seasonally adjusted[1]: End of month: Nov. 1988	Not seasonally adjusted[1]: End of month: Jan. 1988r	Percent change: Jan. 89/88P
	All manufacturing industries	473,073	468,860	460,802	+0.9	+1.7	+0.8	473,816	463,934	454,256	426,637	+11.1
	Durable goods industries	452,396	447,868	439,895	+1.0	+1.8	+0.7	453,505	443,957	434,209	406,577	+11.5
32	Stone, clay, and glass products	5,721	5,872	5,983	-2.6	-1.9	+1.6	5,626	5,612	5,819	5,398	+4.2
33	Primary metals	25,969	25,737	25,388	+0.9	+1.4	-0.3	26,390	25,144	23,811	24,363	+6.3
331	Blast furnaces, steel mills	11,517	10,903	10,754	+5.6	+1.4	-2.3	11,690	10,725	10,008	11,796	-.9
332	Iron and steel foundries	2,287	2,243	2,206	+2.0	+1.7	-1.7	2,340	2,180	2,190	2,032	+15.2
333-9	Nonferrous and other primary metals	12,165	12,591	12,428	-3.4	+1.3	+1.7	12,360	12,239	11,613	10,535	+17.3
34	Fabricated metal products	28,333	28,406	28,354	-0.3	+0.2	-0.7	28,265	28,192	28,016	29,357	-3.7
35	Machinery, except electrical	60,625	59,963	59,896	+1.1	+0.1	+0.9	60,471	59,279	59,609	53,374	+13.3
351	Engines and turbines	4,608	4,484	5,252	+2.8	-14.6	-0.2	4,708	4,602	5,455	5,249	-10.3
353	Construction, mining, and material handling equipment	8,429	8,341	8,112	+1.1	+2.8	+0.4	8,530	8,523	8,075	7,093	+20.3
354	Metalworking machinery	4,924	4,853	4,646	+1.5	+4.5	+6.3	4,658	4,582	4,676	2,824	+64.9
357	Office and computing machines	13,558	13,471	13,539	+0.6	-0.5	-0.3	13,124	13,070	13,520	13,611	-3.6
36	Electrical machinery	93,153	93,498	93,529	-0.4	3.0	+1.1	92,816	92,390	92,671	94,119	-1.4
361,2	Electrical transmission and distribution equipment and industrial apparatus	7,278	6,901	6,950	+5.5	-0.7	-0.7	7,264	6,848	6,914	6,489	+11.9
366	Communication equipment	65,416	65,951	65,818	-0.8	+0.2	+1.9	65,623	65,536	65,555	67,775	-3.2
367	Electronic components	14,519	14,847	14,977	-2.2	-0.9	-1.5	14,098	14,405	14,461	14,597	-3.4
364,9	Other electrical machinery	4,843	4,747	4,783	+2.0	-0.8	+1.0	4,732	4,664	4,749	4,114	+15.0
37	Transportation equipment	216,392	212,120	205,091	+2.0	+3.4	+0.7	218,274	212,467	203,586	179,317	+21.7
372,6	Aircraft, missiles, and parts	179,136	174,722	169,763	+2.5	+2.9	+1.0	180,982	175,132	168,377	149,468	+21.1
3731,95	Shipbuilding and military tank vehicles	25,942	26,275	24,195	-1.3	+8.6	-0.8	25,916	26,237	24,232	19,371	+33.8
38	Instruments and related products	14,813	14,790	14,272	+0.2	+3.6	+2.2	14,880	14,700	14,166	13,717	+8.5
381-4	Scientific and engineering instruments	13,713	13,627	13,281	+0.6	+2.6	+2.1	13,823	13,647	13,257	12,706	+8.8
24,25, 39	All other durable goods	7,390	7,482	7,382	-1.2	+1.4	+0.4	6,783	6,173	6,531	6,932	-2.1
	Nondurable goods industries	20,677	20,992	20,907	-1.5	+0.4	+1.8	20,311	19,977	20,047	20,060	+1.3
	Market categories:											
	Home goods and apparel	8,385	8,387	8,200	0.0	+2.3	+0.3	7,726	6,575	7,051	8,150	-5.2
	Consumer staples	784	836	863	-6.2	-3.1	+1.8	825	844	822	638	+29.3
	Equipment and defense products, except automotive	289,964	286,731	278,513	+1.1	+3.0	+1.4	291,994	286,697	276,871	256,539	+13.8
	Automotive equipment	8,856	8,888	8,782	-0.4	+1.2	+0.8	8,918	8,863	8,626	9,178	-2.8
	Construction materials, supplies and intermediate products	15,337	15,541	15,545	-1.3	0.0	+0.1	15,140	15,141	15,184	14,920	+1.5
	Other materials, supplies, and intermediate products	149,747	148,477	148,899	+0.9	-0.3	-0.3	149,213	145,814	145,702	137,212	+8.7
	Supplementary series:[2]											
	Capital goods industries	349,950	345,037	337,971	+1.4	+2.1	+0.9	351,687	344,243	336,095	308,084	+14.2
	Nondefense	186,425	179,640	172,884	+3.8	+3.9	+2.0	186,266	178,773	172,580	143,312	+30.0
	Excluding aircraft and parts	88,836	87,607	87,896	+1.4	-0.3	+0.6	88,677	86,740	87,592	79,543	+11.5
	Defense	163,525	165,397	165,087	-1.1	+0.2	-0.2	165,421	165,470	163,515	164,772	+.4
	Household durable goods industries	6,043	6,122	5,898	-1.3	+3.8	+0.2	5,565	4,729	4,982	5,758	-3.4

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Jan. 1989P	Dec. 1988E	Nov. 1988	Percent change: Dec.-Jan.P	Nov.-Dec.E	Oct.-Nov.	Not seasonally adjusted[1]: End of month: Jan. 1989P	Dec. 1988E	Nov. 1988	Jan. 1988E	Percent change: Jan. 89/88P
	All manufacturing industries	357,348	354,163	351,603	+0.9	+0.7	+0.6	356,319	348,465	350,223	331,784	+7.4
	Manufacturing industries with unfilled orders	248,986	246,143	243,919	+1.2	+0.9	+0.8	246,413	240,644	242,425	226,695	+8.7
	Durable goods industries	236,563	233,666	231,766	+1.2	+0.8	+0.9	235,001	229,040	230,625	216,545	+8.5
	With unfilled orders	218,141	215,583	213,556	+1.2	+0.9	+0.9	216,082	210,998	212,651	198,613	+8.8
32	Stone, clay, and glass products	7,542	7,505	7,464	+0.5	+0.5	-1.2	7,492	7,368	7,241	7,159	+4.7
33	Primary metals	20,469	20,279	19,980	+0.9	+1.5	+0.8	20,592	20,198	19,946	18,397	+11.9
331	Blast furnaces, steel mills	10,176	10,119	9,763	+0.6	+3.6	+0.9	10,196	10,156	9,896	8,747	+16.6
332	Iron and steel foundries	1,394	1,327	1,311	+5.0	+1.2	+0.6	1,390	1,300	1,258	1,291	+7.7
333-9	Nonferrous and other primary metals	8,899	8,833	8,906	+0.7	-0.8	+0.7	9,006	8,742	8,792	8,359	+7.7
34	Fabricated metal products	23,797	23,552	23,478	+1.0	+0.3	+0.2	23,788	23,148	23,200	22,896	+3.9
35	Machinery, except electrical	47,404	46,729	46,172	+1.4	+1.2	+0.4	47,103	45,803	46,087	41,904	+12.4
351	Engines and turbines	3,083	2,986	3,094	+3.2	-3.5	+1.3	2,952	2,808	3,187	2,581	+14.4
353	Construction, mining, and materiel handling equipment	7,706	7,641	7,464	+0.9	+2.4	+0.8	7,698	7,610	7,434	6,790	+13.4
354	Metalworking machinery	2,898	3,040	2,944	-4.7	+3.3	-5.0	2,863	2,953	2,946	2,596	+10.3
357	Office and computing machines	12,320	12,126	12,009	+1.6	+1.0	+0.7	12,086	11,812	11,964	10,551	+14.5
36	Electrical machinery	41,012	40,683	40,746	+0.8	-0.2	+1.8	40,369	39,706	40,263	38,827	+4.0
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,180	5,209	5,161	-0.6	+0.9	+2.1	5,134	5,084	5,073	4,907	+4.6
363	Household appliances	2,999	2,900	2,859	+3.4	+1.4	+3.6	2,945	2,746	2,684	2,812	+4.7
365	Radio and TV	1,538	1,506	1,424	+2.1	+5.8	+1.4	1,446	1,413	1,379	1,337	+8.2
366	Communication equipment	16,031	15,963	16,165	+0.4	-1.2	+0.8	15,820	15,629	16,211	16,177	-2.2
367	Electronic components	8,801	8,749	8,884	+0.6	-1.5	+3.7	8,748	8,674	8,772	7,839	+11.6
364,9	Other electrical machinery	6,463	6,356	6,253	+1.7	+1.6	+1.0	6,276	6,160	6,144	5,755	+9.1
37	Transportation equipment	64,645	63,229	62,305	+2.2	+1.5	+1.2	63,960	61,686	62,861	57,164	+11.9
371	Motor vehicles and parts	12,300	11,839	11,872	+3.9	-0.3	+1.8	12,649	11,831	12,060	11,913	+6.2
372,6	Aircraft, missiles, and parts	48,055	47,438	46,077	+1.3	+3.0	+1.2	47,098	45,914	46,362	41,494	+13.5
3731,95	Shipbuilding and military tank vehicles	2,198	1,962	2,274	+12.0	-13.7	+0.8	2,105	1,866	2,325	1,858	+13.3
38	Instruments and related products	14,112	14,040	13,798	+0.5	+1.8	+1.6	13,923	13,691	13,724	12,531	+11.1
381-4	Scientific and engineering instruments	10,416	10,294	10,006	+1.2	+2.9	+1.1	10,291	10,148	10,043	9,236	+11.4
386	Photographic goods	3,070	3,115	3,170	-1.4	-1.7	+2.6	3,024	2,940	3,088	2,671	+13.2
24,25, 39	All other durable goods	17,582	17,649	17,823	-0.4	-1.0	+0.3	17,774	17,440	17,303	17,667	+.6
	Nondurable goods industries	120,785	120,497	119,837	+0.2	+0.6	+0.1	121,318	119,425	119,598	115,239	+5.3
	With unfilled orders	30,845	30,560	30,363	+0.9	+0.6	+0.4	30,331	29,646	29,774	26,082	+8.0
20	Food and kindred products	26,313	26,361	26,003	-0.2	+1.4	+0.8	26,842	26,875	27,210	25,194	+6.5
202	Dairy products	2,444	2,423	2,342	+0.9	+3.5	+2.2	2,412	2,363	2,316	2,193	+10.0
208	Beverages	4,374	4,485	4,499	-2.5	-0.3	+0.7	4,422	4,503	4,445	4,550	-2.8
203-6,9	All other foods	14,720	14,825	14,678	-0.7	+1.0	+0.3	14,956	15,316	15,630	14,584	+2.6
21	Tobacco products	5,353	5,609	5,710	-4.6	-1.8	-1.7	5,754	5,888	5,733	6,077	-5.3
22	Textile mill products	7,590	7,605	7,648	-0.2	-0.6	+0.4	7,527	7,328	7,433	7,468	+.8
221-4,6, 8,9	Broadwoven fabrics	4,449	4,392	4,425	+1.3	-0.7	+0.2	4,436	4,279	4,354	4,393	+1.0
26	Paper and allied products	12,035	12,065	11,939	-0.2	+1.1	+0.9	11,999	11,949	11,765	11,280	+6.4
261-3,6	Pulp, paper etc.	4,500	4,325	4,253	+4.0	+1.7	+1.4	4,527	4,321	4,183	3,893	+16.3
265	Paperboard containers	3,058	3,236	3,245	-5.5	-0.3	-0.3	3,095	3,193	3,142	3,131	-1.1
264	All other paper products	4,477	4,504	4,441	-0.6	+1.4	+1.3	4,377	4,435	4,440	4,256	+2.8
28	Chemicals and allied products	27,496	27,515	27,235	-0.1	+1.0	+0.6	27,730	27,349	27,044	25,523	+8.6
281,6	Industrial chemicals, except pigments	7,448	7,330	7,189	+1.6	+2.0	+1.9	7,515	7,235	7,100	6,750	+11.3
283,4	Drugs, soaps, and toiletries	9,350	9,543	9,547	-2.0	0.0	+0.1	9,210	9,347	9,546	8,752	+5.2
282,9	Other chemical products	6,867	6,878	6,932	-0.2	-0.8	+0.9	7,073	6,891	6,755	6,400	+10.5
29	Petroleum and coal products	9,303	8,879	8,757	+4.8	+1.4	-3.7	9,291	8,809	9,108	9,702	-4.2
30	Rubber and plastics products	10,496	10,326	10,394	+1.6	-0.7	+0.9	10,551	10,130	10,068	9,378	+12.5
23,27, 31	All other nondurable goods	22,199	22,137	22,151	+0.3	-0.1	-0.1	21,624	21,097	21,237	20,617	+4.9
	Market categories:											
	Home goods and apparel	26,173	26,313	26,459	-0.5	-0.6	+0.5	25,891	25,258	25,156	26,302	-1.6
	Consumer staples	44,110	44,900	44,405	-1.8	+0.9	+0.3	44,518	45,150	45,264	42,976	+3.6
	Equipment and defense products, except automotive	106,191	105,287	103,320	+0.9	+1.9	+0.7	105,113	102,976	103,506	95,393	+10.2
	Automotive equipment	15,124	14,611	14,717	+3.5	-0.7	+1.3	15,478	14,646	14,871	14,553	+6.4
	Construction materials, supplies and intermediate products	25,263	25,250	25,303	+0.1	-0.2	-0.4	25,353	24,882	24,694	24,730	+2.5
	Other materials, supplies, and intermediate products	140,487	137,802	137,319	+1.9	+0.4	+0.8	139,966	135,553	136,732	127,830	+9.5
	Supplementary series:[2]											
	Capital goods industries	122,669	121,064	119,516	+1.3	+1.3	+0.8	120,672	117,799	119,632	109,377	+10.3
	Nondefense	86,906	85,691	84,167	+1.4	+1.8	+1.3	85,880	83,616	84,346	76,596	+12.1
	Excluding aircraft and parts	65,104	64,267	63,770	+1.3	+0.8	+0.6	64,228	62,713	63,584	58,089	+10.6
	Defense	35,763	35,373	35,351	+1.1	+0.1	-0.2	34,792	34,183	35,286	32,781	+6.1
	Household durable goods industries	12,934	12,791	12,712	+1.1	+0.6	+0.9	12,787	12,315	12,193	12,732	+.4

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Jan. 1989[p]	Seasonally adjusted: End of month: Dec. 1988[r]	Seasonally adjusted: End of month: Nov. 1988	Seasonally adjusted: Percent change: Dec.-Jan.[p]	Seasonally adjusted: Percent change: Nov.-Dec.[r]	Seasonally adjusted: Percent change: Oct.-Nov.	Not seasonally adjusted: End of month: Jan. 1989[p]	Not seasonally adjusted: End of month: Dec. 1988[r]	Not seasonally adjusted: End of month: Nov. 1988	Not seasonally adjusted: End of month: Jan. 1988[r]	Not seasonally adjusted: Percent change: Jan. 89/88[p]
	MATERIALS AND SUPPLIES											
	All manufacturing industries	113,152	112,546	112,962	+0.5	-0.4	0.0	114,077	113,062	112,042	107,217	+6.4
	Durable goods industries	66,190	65,252	65,298	+1.4	-0.1	0.0	66,412	65,331	65,077	61,795	+7.5
32	Stone, clay, and glass products	2,485	2,457	2,444	+1.1	+0.5	+0.8	2,471	2,445	2,413	2,306	+7.2
33	Primary metals	6,270	6,280	6,109	-0.2	+2.8	+0.4	6,444	6,564	6,306	5,780	+11.5
34	Fabricated metal products	8,741	8,500	8,482	+2.8	+0.2	+0.5	8,829	8,500	8,402	8,346	+5.8
35	Machinery, except electrical	13,120	12,653	12,827	+3.7	-1.4	-2.5	13,126	12,619	12,770	11,912	+10.2
36	Electrical machinery	11,278	11,172	11,247	+0.9	+0.7	+2.0	11,126	11,012	10,992	10,201	+9.1
37	Transportation equipment	12,619	12,616	12,515	0.0	+0.8	-1.2	12,615	12,622	12,527	12,241	+3.1
38	Instruments and related products	4,845	4,759	4,766	+1.8	-0.1	+2.6	4,789	4,651	4,736	4,150	+15.4
24,25, 39	All other durable goods	6,832	6,815	6,908	+0.2	-1.3	+0.4	7,012	6,918	6,931	5,859	+2.2
	Nondurable goods industries	46,962	47,294	47,664	-0.7	-0.8	+0.1	47,665	47,731	46,965	45,422	+4.9
20	Food and kindred products	9,092	9,120	9,333	-0.3	-2.3	-0.3	9,477	9,432	9,591	9,225	+2.7
21	Tobacco products	4,024	4,336	4,434	-7.2	-2.2	-2.2	4,405	4,757	4,322	4,884	-9.8
22	Textile mill products	2,266	2,338	2,344	-3.1	-0.3	+1.1	2,227	2,286	2,214	2,275	-2.1
26	Paper and allied products	6,599	6,609	6,565	-0.2	+0.7	+0.2	6,585	6,606	6,468	6,090	+8.1
28	Chemicals and allied products	9,876	9,911	9,857	-0.4	+0.5	+1.7	9,865	9,823	9,681	8,828	+11.7
29	Petroleum and coal products	2,171	2,126	2,166	+2.1	-1.8	-5.0	2,171	2,152	2,183	2,380	-8.8
30	Rubber and plastics products	4,227	4,136	4,192	+2.2	-1.3	+0.6	4,300	4,212	4,078	3,643	+18.0
23,27, 31	All other nondurable goods	8,707	8,718	8,773	-0.1	-0.6	+0.7	8,635	8,463	8,428	8,097	+6.6
	WORK IN PROCESS											
	All manufacturing industries	128,834	127,683	125,955	+0.9	+1.4	+1.2	127,231	124,154	126,306	117,930	+7.9
	Durable goods industries	109,211	108,392	106,884	+0.8	+1.4	+1.6	107,679	105,399	107,063	99,271	+8.5
32	Stone, clay, and glass products	1,101	1,111	1,097	-0.9	+1.3	-1.6	1,116	1,072	1,042	1,106	+.9
33	Primary metals	8,425	8,305	8,305	+1.4	0.0	+1.8	8,439	8,142	8,173	7,447	+13.3
34	Fabricated metal products	8,400	8,462	8,369	-0.7	+1.1	-0.3	8,242	8,176	8,307	7,937	+3.8
35	Machinery, except electrical	18,489	18,360	18,247	+0.7	+0.6	+2.7	18,127	17,778	18,331	16,566	+9.4
36	Electrical machinery	19,766	19,658	19,685	+0.5	-0.1	+1.2	19,559	19,199	19,768	19,633	-.4
37	Transportation equipment	43,990	43,436	42,348	+1.3	+2.6	+1.7	43,272	42,156	42,728	38,074	+13.7
38	Instruments and related products	5,361	5,416	5,226	-1.0	+3.6	+1.1	5,257	5,255	5,198	4,860	+8.2
24,25, 39	All other durable goods	3,679	3,644	3,607	+1.0	+1.0	+2.1	3,667	3,621	3,516	3,648	+.5
	Nondurable goods industries	19,623	19,291	19,071	+1.7	+1.2	-0.5	19,552	18,755	19,243	18,659	+4.8
20	Food and kindred products	2,706	2,703	2,744	+0.1	-1.5	-3.8	2,772	2,684	2,792	2,685	+3.2
21	Tobacco products	314	208	228	+51.0	-8.8	+1.8	317	232	322	199	+59.3
22	Textile mill products	2,289	2,334	2,317	-1.9	+0.7	-0.2	2,318	2,270	2,314	2,289	+1.3
26	Paper and allied products	1,321	1,318	1,275	+0.2	+3.4	+0.6	1,312	1,294	1,287	1,261	+4.0
28	Chemicals and allied products	4,392	4,402	4,278	-0.2	+2.9	+0.9	4,334	4,179	4,261	3,950	+9.7
29	Petroleum and coal products	2,504	2,390	2,325	+4.8	+2.8	-1.9	2,474	2,381	2,456	2,554	-3.1
30	Rubber and plastics products	1,434	1,416	1,420	+1.3	-0.3	+1.4	1,462	1,415	1,420	1,371	+6.6
23,27, 31	All other nondurable goods	4,663	4,520	4,484	+3.2	+0.8	-0.3	4,563	4,300	4,391	4,350	+4.9
	FINISHED GOODS											
	All manufacturing industries	115,362	113,934	112,686	+1.3	+1.1	+0.6	115,011	111,249	111,875	106,637	+7.9
	Durable goods industries	61,162	60,022	59,584	+1.9	+0.7	+0.7	60,910	58,310	58,485	55,479	+9.8
32	Stone, clay, and glass products	3,956	3,937	3,923	+0.5	+0.4	-2.2	3,905	3,851	3,786	3,747	+4.2
33	Primary metals	5,774	5,694	5,566	+1.4	+2.3	-0.3	5,709	5,492	5,467	5,170	+10.4
34	Fabricated metal products	6,656	6,590	6,627	+1.0	-0.6	+0.5	6,717	6,472	6,491	6,613	+1.6
35	Machinery, except electrical	15,795	15,716	15,098	+0.5	+4.1	+0.1	15,850	15,406	14,986	13,426	+18.1
36	Electrical machinery	9,968	9,853	9,814	+1.2	+0.4	+3.1	9,684	9,495	9,503	8,993	+7.7
37	Transportation equipment	8,036	7,177	7,442	+12.0	-3.6	+2.6	8,073	6,908	7,606	6,849	+17.9
38	Instruments and related products	3,906	3,865	3,806	+1.1	+1.6	+1.1	3,877	3,785	3,790	3,521	+10.1
24,25, 39	All other durable goods	7,071	7,190	7,308	-1.7	-1.6	-0.7	7,095	6,901	6,856	7,160	-.9
	Nondurable goods industries	54,200	53,912	53,102	+0.5	+1.5	+0.4	54,101	52,939	53,390	51,158	+5.8
20	Food and kindred products	14,515	14,538	13,926	-0.2	+4.4	+2.5	14,593	14,759	14,827	13,284	+9.9
21	Tobacco products	1,015	1,065	1,048	-4.7	+1.6	-0.5	1,032	899	1,089	994	+3.8
22	Textile mill products	3,035	2,933	2,987	+3.5	-1.8	+0.3	2,982	2,772	2,905	2,904	+2.7
26	Paper and allied products	4,115	4,138	4,099	-0.6	+1.0	+2.0	4,102	4,049	4,010	3,929	+4.4
28	Chemicals and allied products	13,228	13,202	13,100	+0.2	+0.8	-0.2	13,531	13,347	13,102	12,745	+6.2
29	Petroleum and coal products	4,628	4,363	4,266	+6.1	+2.3	-4.0	4,646	4,276	4,469	4,768	-2.6
30	Rubber and plastics products	4,835	4,774	4,782	+1.3	-0.2	+1.1	4,789	4,503	4,570	4,364	+9.7
23,27, 31	All other nondurable goods	8,829	8,899	8,694	-0.8	+0.1	-0.7	8,426	8,334	8,418	8,170	+3.1

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Jan. 1989[p]	Dec. 1988[r]	Nov. 1988	Oct. 1988	Jan. 1989[p]	Dec. 1988[r]	Nov. 1988	Oct. 1988
	All manufacturing industries	1.54	1.53	1.57	1.57	3.70	3.66	3.69	3.70
	Durable goods industries	1.91	1.88	1.93	1.94	4.48	4.43	4.48	4.49
32	Stone, clay, and glass products	1.34	1.35	1.34	1.39	1.10	1.15	1.16	1.17
33	Primary metals	1.59	1.58	1.57	1.60	2.01	2.00	2.00	2.06
34	Fabricated metal products	1.81	1.83	1.86	1.93	2.39	2.41	2.46	2.59
35	Machinery, except electrical	2.22	2.16	2.21	2.19	2.97	2.93	3.03	2.98
36	Electrical machinery	2.06	2.04	2.13	2.11	4.67	4.69	4.90	4.89
37	Transportation equipment	2.03	1.94	2.01	1.99	12.28	11.66	11.86	11.41
38	Instruments and related products	2.15	2.21	2.32	2.24	2.26	2.33	2.39	2.31
	Nondurable goods industries	1.12	1.13	1.14	1.15	0.77	0.78	0.78	0.78
20	Food and kindred products	0.83	0.85	0.85	0.84	(X)	(X)	(X)	(X)
21	Tobacco products	2.81	2.87	2.71	3.04	(X)	(X)	(X)	(X)
22	Textile mill products	1.38	1.41	1.45	1.56	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.10	1.11	1.11	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.29	1.30	1.28	1.29	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.91	0.87	0.86	0.89	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.23	1.24	1.33	1.30	(X)	(X)	(X)	(X)

[p]Preliminary. [r]Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

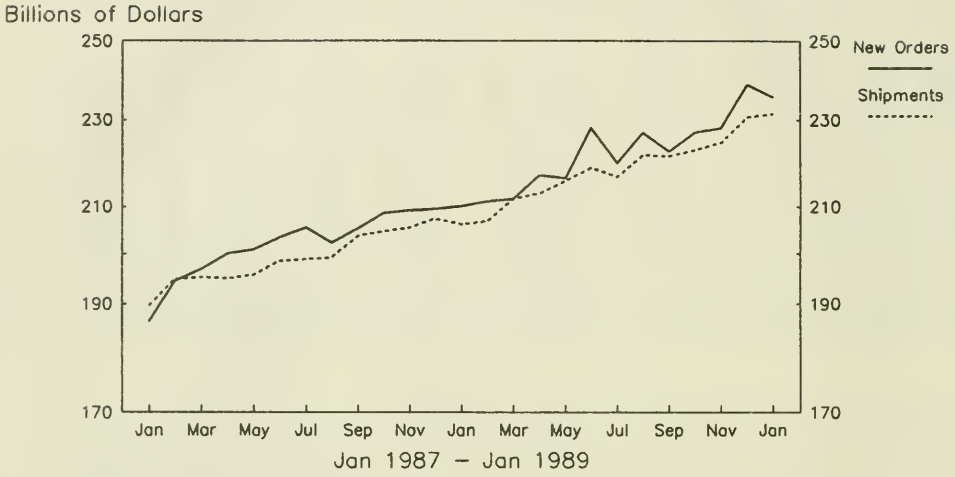
(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Jan. 1988	Jan. 1984-1988	Jan. 1988-Dec. 1988	Year ago Jan. 1988	Jan. 1984-1988	Jan. 1988-Dec. 1988	Year ago Jan. 1988	Jan. 1984-1988	Jan. 1988-Dec. 1988	Year ago Jan. 1988	Jan. 1984-1988	Jan. 1988-Dec. 1988
	All manufacturing industries	0.2	0.3	0.2	0.1	0.6	0.3	0.1	0.2	0.1	0.1	0.1	0.1
	Durable goods industries	0.2	0.5	0.4	0.0	0.6	0.4	0.1	0.2	0.1	0.0	0.1	0.1
32	Stone, clay, and glass products	0.2	1.2	0.6	0.4	1.5	0.6	0.4	0.6	0.4	0.4	1.2	0.2
33	Primary metals	0.0	0.7	0.3	0.9	1.1	0.7	0.5	0.6	0.3	0.3	0.2	0.4
34	Fabricated metal products	0.8	1.4	0.4	1.3	1.6	0.8	0.3	0.3	0.3	0.2	0.2	0.1
35	Machinery, except electrical	0.6	1.1	0.6	0.5	1.6	1.3	0.4	0.2	0.4	0.1	0.2	0.1
36	Electrical machinery	0.4	1.9	0.4	0.5	2.3	0.6	0.1	0.5	0.1	0.4	0.2	0.1
37	Transportation equipment	0.0	0.8	0.2	0.2	0.6	0.5	0.0	0.1	0.1	0.0	0.2	0.1
38	Instruments and related products	2.1	1.7	0.9	1.2	2.1	1.5	0.6	0.4	0.5	0.0	0.8	0.2
	Nondurable goods industries	0.2	0.6	0.2	0.2	0.7	0.2	0.3	0.5	0.7	0.1	0.2	0.1
20	Food and kindred products	0.6	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.3
21	Tobacco products	0.0	0.1	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.1
22	Textile mill products	0.1	0.6	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.7	1.2	0.4
26	Paper and allied products	1.0	0.4	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.6	0.1
28	Chemicals and allied product	1.3	1.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.2
29	Petroleum and coal products	0.7	0.9	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.6	0.4
30	Rubber and plastics products	0.7	0.9	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.7	0.3
	Capital goods industries:												
	Nondefense	0.7	1.4	0.6	0.1	0.7	0.9	0.2	0.2	0.1	0.1	0.1	0.1
	Defense	0.7	1.6	0.6	0.7	1.9	1.4	0.0	0.2	0.0	0.1	0.3	0.1

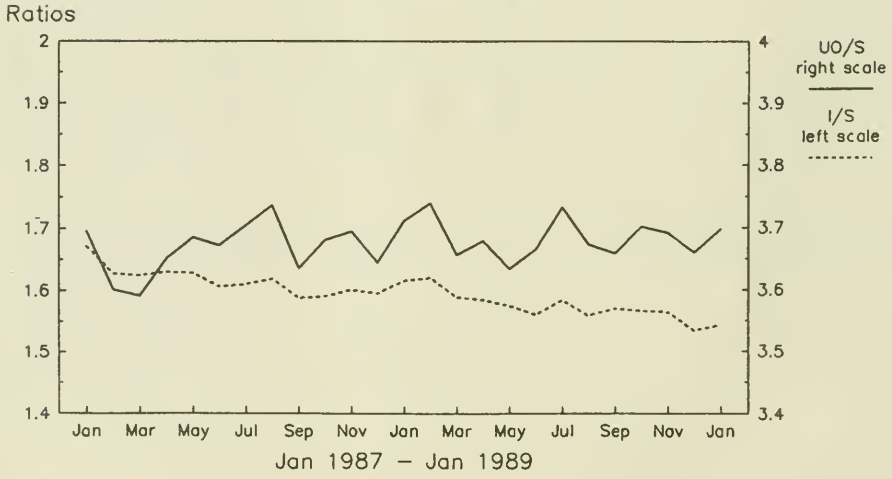
(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Total Manufacturing
New Orders and Shipments



Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

January 1989
M3-1-(89)-1
For Wire Transmission 10:00 a.m. E.S.T. Friday, March 3, 1989

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in January declined $3.1 billion or 1.3 percent to $235.8 billion, the Department of Commerce, Bureau of the Census reported today. This is the first decline since September, and followed a 4.7 percent increase in December.

Shipments of manufactured goods in January were up $0.8 billion or 0.3 percent from December to $231.6 billion. Shipments in December were up 2.8 percent. Unfilled orders in January were up $4.2 billion or 0.9 percent to $473.1 billion; they have increased steadily since February 1987.

Manufacturers' inventories were up $3.2 billion or 0.9 percent in January to $357.3 billion, also continuing a twenty-three month upward trend. The inventory to shipments ratio in January was 1.54, up from 1.53 in December.

New Orders

Most of the decline in new orders in January was in the durable goods sector, down $3.6 billion or 2.7 percent to $128.5 billion. Transportation equipment decreased $3.4 billion or 8.5 percent from a record December level of $39.6 billion. The January decline was concentrated in shipbuilding and tanks; aircraft and parts orders were down 5.1 percent from December to $13.3 billion. Electrical machinery declined $0.3 billion or 1.7 percent to $19.6 billion. Declines in communication equipment and electronic components were partially offset by increases in the other categories. Orders for nonelectrical machinery increased $0.4 billion or 1.6 percent to $22.1 billion. Fabricated metals increased $0.1 billion or 1.0 percent to $13.0 billion.

New orders for nondurable goods were up $0.5 billion or 0.5 percent to $107.3 billion.

Shipments

Shipments of nondurable goods increased $0.9 billion or 0.9 percent to $107.6 billion. The largest increases were in foods, up $0.7 billion or 2.4 percent to $31.7 billion and chemicals, up $0.2 billion or 1.2 percent to $21.4 billion. Shipments of durable goods declined $0.2 billion or 0.1 percent to $124.0 billion; the largest decrease was in transportation equipment, down $0.6 billion or 1.9 percent to $31.9 billion.

Unfilled Orders

Unfilled orders for durable goods in January increased $4.5 billion or 1.0 percent to $452.4 billion. Transportation equipment increased $4.3 billion or 2.0 percent to $216.4 billion; an increase in commercial aircraft more than offset declines in defense aircraft and parts and shipbuilding. Primary metals increased $0.2 billion or 0.9 percent to $26.0 billion; an increase in steel more than offset a decline in nonferrous metals. Nonelectrical machinery increased $0.7 billion or 1.1 percent to $60.6 billion. The largest decline in unfilled orders was in electrical machinery, down $0.3 billion or 0.4 percent to $93.2 billion. Unfilled orders for nondurables declined $0.3 billion or 1.5 percent to $20.7 billion.

Inventories

Inventories of durable goods in January increased $2.9 billion or 1.2 percent to $236.6 billion. Almost all major industries had increases, but transportation equipment accounted for about half of the increase, up $1.4 billion or 2.2 percent to $64.6 billion.

Inventories of nondurable goods in January increased $0.3 billion or 0.2 percent to $120.8 billion. Petroleum products showed the largest increase; tobacco and apparel had the largest declines.

By stage of fabrication, materials and supplies inventories increased 0.5 percent, work in process, 0.9 percent, and finished goods 1.3 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for February is scheduled for March 22, 1989 at 8:30 a.m. and the full report on March 30, 1989 at 10:00 a.m.

See description of survey methodology on page 10.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service – CENDATA. The online version of the report can be read from a terminal screen, printed on – or off – line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Jan. 1989P	Dec. 1988r	Nov. 1988	Dec.-Jan.P	Nov.-Dec.r	Oct.-Nov.	Jan. 1989P	Dec. 1988r	Nov. 1988	Jan. 1988r	Jan. 89/88P	1989P	1988r
	All manufacturing industries	231,613	230,827	224,632	+0.3	+2.8	+0.8	211,716	226,032	222,837	188,349	+12.4	211,716	188,349
	Manufacturing industries with unfilled orders	127,935	128,078	124,776	-0.1	+2.6	+1.1	114,960	128,990	124,534	102,783	+11.8	114,960	102,783
	Durable goods industries	124,017	124,175	119,874	-0.1	+3.6	+1.2	111,009	122,482	118,636	97,328	+14.1	111,009	97,328
	With unfilled orders	100,918	101,145	98,135	-0.2	+3.1	+1.0	89,625	102,475	97,698	79,234	+13.1	89,625	79,234
32	Stone, clay, and glass products	5,633	5,549	5,588	+1.5	-0.7	+2.7	4,865	4,815	5,507	4,449	+9.4	4,865	4,449
33	Primary metals	12,894	12,861	12,709	+0.3	+1.2	+2.7	12,130	11,796	12,308	10,280	+18.0	12,130	10,280
331	Blast furnaces, steel mills	5,243	5,201	5,206	+0.8	-0.1	+1.1	5,049	4,836	4,945	4,586	+10.1	5,049	4,586
332	Iron and steel foundries	894	921	892	-2.9	+3.3	+0.8	824	781	903	702	+17.4	824	702
333-9	Nonferrous and other primary metals	6,757	6,739	6,611	+0.3	+1.9	+4.4	6,257	6,179	6,460	4,992	+25.3	6,257	4,992
34	Fabricated metal products	13,116	12,865	12,597	+2.0	+2.1	+3.9	11,717	11,732	12,234	10,212	+14.7	11,717	10,212
35	Machinery, except electrical	21,399	21,642	20,894	-1.1	+3.6	-0.4	18,485	23,686	20,124	16,521	+11.9	18,485	16,521
351	Engines and turbines	1,345	1,466	1,328	-8.3	+10.4	-4.9	1,176	1,812	1,311	1,079	+9.0	1,176	1,079
353	Construction, mining, and material handling equipment	2,694	2,329	2,430	+6.5	+3.2	-2.7	2,411	2,441	2,452	2,120	+13.7	2,411	2,120
354	Metalworking machinery	1,032	1,076	995	-4.1	+8.1	+7.7	862	1,181	1,038	758	+13.7	862	758
357	Office and computing machines	3,527	3,703	5,483	-3.1	+4.0	-3.0	4,068	8,007	5,482	3,956	+2.8	4,068	3,956
36	Electrical machinery	19,936	19,953	19,099	-0.1	+4.5	+0.9	17,775	20,728	19,640	16,391	+8.4	17,775	16,391
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,536	2,391	2,395	+6.1	-0.2	-2.0	2,277	2,393	2,386	1,974	+15.3	2,277	1,974
363	Household appliances	1,576	1,526	1,466	+3.3	+4.1	+0.3	1,442	1,343	1,378	1,372	+5.1	1,442	1,372
365	Radio and TV	992	992	1,073	0.0	-7.5	+4.7	894	960	1,222	811	+10.2	894	811
366	Communication equipment	6,499	6,755	6,137	-3.8	+10.1	+0.8	5,378	7,969	6,274	5,068	+6.1	5,378	5,068
367	Electronic components	4,800	4,768	4,522	+0.7	+5.4	-3.3	4,474	4,493	4,528	4,051	+10.4	4,474	4,051
364,9	Other electrical machinery	3,533	3,521	3,306	+0.3	+0.4	+8.4	3,310	3,570	3,852	3,115	+6.3	3,310	3,115
37	Transportation equipment	31,918	32,521	30,960	-1.9	+5.0	+0.1	29,134	31,993	31,334	24,460	+19.1	29,134	24,460
371	Motor vehicles and parts	21,001	20,948	19,671	+0.3	+6.5	+0.4	20,139	18,020	20,049	15,500	+29.9	20,139	15,500
372,6	Aircraft, missiles, and parts	8,865	9,186	9,121	-3.5	+0.7	-1.5	7,095	11,558	9,301	7,136	-0.6	7,095	7,136
3731,95	Shipbuilding and military tank vehicles	904	1,126	870	-19.7	+29.4	+3.9	761	1,347	852	809	-5.9	761	809
38	Instruments and related products	6,552	6,342	5,960	+3.3	+6.4	-1.6	5,982	6,523	5,901	5,140	+16.4	5,982	5,140
381-4	Scientific and engineering instruments	4,388	4,265	4,001	+2.9	+6.6	-2.3	4,125	4,403	3,818	3,590	+14.9	4,125	3,590
386	Photographic goods	1,985	1,921	1,812	+3.3	+6.0	+0.1	1,711	1,983	1,936	1,382	+23.8	1,711	1,382
24,25, 39	All other durable goods	12,569	12,442	12,067	+1.0	+3.1	+3.8	10,921	11,209	11,588	9,875	+10.6	10,921	9,875
	Nondurable goods industries	107,596	106,652	104,758	+0.9	+1.8	+0.3	100,707	103,550	104,201	91,021	+10.6	100,707	91,021
	With unfilled orders	27,017	26,933	26,641	+0.3	+1.1	+1.3	25,335	26,515	26,836	23,549	+7.6	25,335	23,549
20	Food and kindred products	31,740	30,995	30,607	+2.4	+1.3	+0.1	29,705	30,719	30,582	26,564	+11.8	29,705	26,564
202	Dairy products	4,217	4,258	4,176	-1.0	+2.0	+0.1	4,006	4,126	4,142	3,753	+6.7	4,006	3,753
208	Beverages	4,267	4,063	4,146	+5.0	-2.0	+6.2	3,755	3,623	3,910	3,421	+9.8	3,755	3,421
203-6,9	All other foods	14,897	14,507	14,347	+2.7	+1.1	-0.2	13,929	14,832	14,601	12,031	+15.8	13,929	12,031
21	Tobacco products	1,903	1,957	2,109	-2.8	-7.2	+10.4	1,218	2,455	2,253	985	+23.7	1,218	985
22	Textile mill products	5,512	5,397	5,269	+2.1	+2.4	+7.8	4,727	5,118	5,221	4,143	+14.1	4,727	4,143
221-4,6, 8,9	Broadwoven fabrics	3,241	3,182	3,172	+1.9	+0.3	+7.5	2,852	3,206	3,081	2,631	+8.4	2,852	2,631
26	Paper and allied products	10,989	10,956	10,779	+0.3	+1.6	+1.0	10,697	10,528	10,373	9,520	+12.4	10,697	9,520
261-3,6	Pulp, paper etc	4,923	4,880	4,794	+1.3	+1.4	+0.7	4,914	4,803	4,647	4,313	+13.9	4,914	4,313
265	Paperboard containers	2,612	2,680	2,686	-2.5	-0.2	+2.1	2,442	2,465	2,562	2,227	+9.7	2,442	2,227
264	All other paper products	3,434	3,416	3,299	+1.1	+3.5	+0.7	3,341	3,260	3,164	2,980	+12.1	3,341	2,980
28	Chemicals and allied products	21,354	21,110	21,352	+1.2	-1.1	+1.9	20,823	20,397	20,104	18,317	+13.7	20,823	18,317
281,6	Industrial chemicals, except pigments	6,138	6,059	6,113	+1.3	-0.9	+2.1	5,837	5,910	5,936	4,970	+17.4	5,837	4,970
283,4	Drugs, soaps, and toiletries	6,533	6,298	6,434	+3.7	-2.1	+2.1	6,605	6,319	6,140	5,900	+11.9	6,605	5,900
282,9	Other chemical products	5,807	5,758	5,676	+0.9	+1.	+0.3	5,488	5,553	5,517	4,853	+13.1	5,488	4,853
29	Petroleum and coal products	10,259	10,237	9,940	+0.2	+3.0	-2.9	9,980	10,363	10,120	9,790	+1.9	9,980	9,790
30	Rubber and plastics products	8,429	8,318	7,835	+1.3	+6.2	-0.7	7,779	7,518	7,724	6,447	+20.7	7,779	6,447
23,27, 31	All other nondurable goods	17,410	17,682	16,867	-1.5	+4.8	-2.9	15,778	16,452	17,824	15,255	+3.4	15,778	15,255
	Market categories:													
	Home goods and apparel	15,112	15,317	14,454	-1.3	+6.0	+0.5	12,903	12,834	14,698	11,971	+7.8	12,903	11,971
	Consumer staples	44,656	43,518	43,253	+2.6	+0.6	+0.7	41,411	43,826	43,576	36,921	+12.2	41,411	36,921
	Equipment and defense products, except automotive	37,231	38,315	36,537	-2.8	+4.9	+0.4	31,664	43,621	35,706	29,244	+8.3	31,664	29,244
	Automotive equipment	23,474	23,527	22,243	-0.2	+5.8	+0.8	22,379	20,187	22,393	17,519	+27.7	22,379	17,519
	Construction materials, supplies and intermediate products	18,360	18,102	17,529	+1.4	+3.3	+2.4	15,711	15,992	16,797	14,109	+11.4	15,711	14,109
	Other materials, supplies, and intermediate products	92,780	92,048	90,618	+0.8	+1.6	+0.7	87,648	89,572	89,467	78,565	+11.5	87,648	78,585
	Supplementary series:[2]													
	Capital goods industries	42,018	42,772	41,172	-1.8	+3.9	+0.4	35,642	46,979	41,288	33,053	+7.8	35,642	33,053
	Nondefense	33,267	32,675	32,312	+1.8	+0.5	-0.3	28,357	36,858	32,257	25,603	+10.8	28,357	25,603
	Excluding aircraft and parts	28,995	29,103	28,091	-0.4	+3.6	+0.6	25,033	32,067	27,872	22,472	+11.4	25,035	22,472
	Defense	8,751	10,097	8,860	-13.3	+16.6	+2.7	7,285	12,121	9,031	7,450	-2.2	7,285	7,450
	Household durable goods industries	7,076	6,934	6,949	+2.0	-0.2	+4.2	6,044	6,162	7,050	5,586	+8.2	6,044	5,586

See footnotes at end of table 2.

processing errors might also be present, although virtually all of the significant errors of this kind are detected through computer edits of the data prior to tabulation and through analytical review of the data.

The revision rate table on page 6 of this report presents the average error in the month-to-month percent change between the preliminary estimates in this publication and the data tabulated approximately one month later which includes any additional reports received.

DEFINITION OF TERMS

Value of Shipments

The value of shipments reported in the M3 survey are based on sales or billings information from companies, net after discounts and allowances and exclusive of nonmanufacturing activities. They include sales to other companies, individuals, U.S. Government agencies and foreign customers. Sales by foreign subsidiaries are excluded. For industries where long term contracts are characteristic, the sales represent a combination of deliveries for the month and progress payments which are generally based on a percentage of completion basis.

Value of shipments data in the M3 survey are benchmarked to those reported in the ASM. In that survey, shipments represent net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Multiestablishment companies report value information for each plant as if it were a separate economic unit.

For multiestablishment companies in the M3 survey, reports typically are not plant reports but are company or divisional level reports. The reported sales are used to calculate month-to-month changes which bring forward the plant based shipments for the industry category as estimated in the ASM.

The value of shipments figures developed from the ASM contain duplication at the all manufacturing and M3 industry category levels, since the products of some 4-digit SIC industries are used as materials by other industries within the same industry aggregate. The significance of the duplication within the specific M3 industry categories varies depending on their 4-digit industry composition. It is most pronounced in a few highly integrated industry areas, such as primary metals and motor vehicles and parts.

For multiestablishment companies, the M3 reports received each month typically are not plant reports but are company or divisional level reports that encompass groups of plants. The actual sales reported are usually net sales and receipts from customers and exclude the duplication of interplant transfers. The reported sales are used to calculate month-to-month changes which bring forward the plant-based shipments for the industry category as estimated in the ASM.

New Orders Received and Unfilled Orders

New orders are net of order cancellations received during the month. They include orders received and filled during the month as well as orders received for future delivery. They also include the value of contract changes which increase or decrease the value of the unfilled orders to which they relate. Orders are defined to include only those supported by binding legal documents such as signed contracts, letters of award, or letters of intent, although in some industries this definition may not be strictly applicable. In the case of letters of intent, the full amount of the sales value is included if the parties are in substantial agreement on the amount; otherwise, only the funds specifically authorized to be expended are included.

Unfilled orders include orders as defined above that have not been reflected as shipments. Generally, unfilled orders at the end of the reporting period are equal to unfilled orders at the beginning of the period plus net new orders received less net shipments.

Inventories

Since different methods of inventory valuation are used (LIFO, FIFO, and so forth), the definition of the value of aggregate inventories for all plants in an industry is not precise. Companies are requested to report their inventories according to the current cost valuation method they use. Companies valuing their inventories using a LIFO method are requested to report the value of their inventories prior to the adjustment or net of the reserve. The data are benchmarked to the pre-LIFO or current cost data in the ASM.

Inventory data also are requested from respondents by stage of fabrication, that is, finished goods, work in process, and raw materials and supplies. However, response to these inquiries is lower than for total inventories and are only tabulated at the 2-digit major SIC group level.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

PUBLICATION DATES FOR THE 1989 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January 1989	Thurs., Feb. 23	Fri., Mar. 3
February	Wed., Mar. 22	Thur., Mar. 30
March	Tue., Apr. 25	Tue., May 2
April	Tues., May 23	Wed., May 31
May	Fri., June 23	Fri., June 30
June	Tues., July 25	Wed., Aug. 2
July	Tues., Aug. 22	Thur., Aug. 31
August	Tues., Sept. 26	Tues., Oct. 3
September	Tues., Oct. 24	Wed., Nov. 1
October	Wed., Nov. 22	Mon., Dec. 4
November	Fri., Dec. 22	Wed., Jan. 3, 1990
December	Thurs., Jan.25, 1990*	Thur., Feb. 1, 1990

C 3.158:
M 3-1-(89)-2

Manufacturers' Shipments, Inventories, and Orders

SUPERINTENDENT OF DOCUMENTS
U.S. DEPOSITORY
MAY 2 1989
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

U. S. Department of Commerce
BUREAU OF THE CENSUS

February 1989
M3-1-(89)-2
For Wire Transmission 10:00 a.m. E.S.T. Thursday, March 30, 1989

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in February declined $5.4 billion or 2.3 percent to $230.7 billion, following a 1.2 percent decline in January, the Department of Commerce, Bureau of the Census reported today. The last time declines of two or more months occurred was February through May 1986.

Shipments of manufactured goods were down $3.9 billion or 1.7 percent to $227.6 billion, following a 0.3 percent increase in January. Unfilled orders in February were up $3.1 billion or 0.6 percent to $476.5 billion, as incoming orders continue to exceed shipments. The February increase was the smallest one-month gain since the 0.3 percent increase last September.

Manufacturers' inventories were up $1.6 billion or 0.5 percent in February to $359.1 billion, continuing a two-year upward trend. During that time the inventory to shipments ratio has decreased from 1.63 to 1.58.

New Orders

Both the durable and nondurable goods sectors showed order declines in February. Durable goods were down $4.3 billion, or 3.3 percent to $124.2 billion, with nearly all major industries declining. Transportation equipment had the largest decrease, down $2.6 billion or 7.2 percent to $33.5 billion; both aircraft and parts and motor vehicles and parts had large declines. Primary metals were down $0.4 billion or 3.2 percent to $12.7 billion; the steel industry dropped 12.3 percent. Nonelectrical machinery declined $0.5 billion or 2.3 percent to $21.9 billion; office and computing machines were down 11.6 percent.

New orders for nondurables declined $1.1 billion or 1.0 percent to $106.5 billion; the largest decreases were in chemicals and rubber and plastics products.

Shipments

Both the durable and nondurable goods sectors also showed shipments declines. Durable goods decreased $2.8 billion or 2.2 percent to $120.8 billion, following a 0.5 percent decrease in January. These are the first consecutive declines in shipments since March through May 1987. All major industries except nonelectrical machinery were down. Transportation equipment decreased $1.0 billion or 3.2 percent to $30.8 billion; most of the decline was in motor vehicles and parts. Primary metals were down $0.3 billion or 2.5 percent to $12.5 billion; both steel and nonferrous were down. Electrical machinery was down $0.5 billion or 2.6 percent to $19.3 billion; defense communication equipment had the largest decrease. Shipments of nonelectrical machinery increased $0.4 billion or 1.9 percent to $21.9 billion, with farm machinery and special industry machinery showing the largest increases.

Shipments, of nondurables were down $1.1 billion or 1.0 percent to $106.8 billion. Although most major industries were down, petroleum shipments increased $0.4 billion or 3.6 percent to $10.8 billion, the largest one-month gain since the 4.7 percent increase in July 1987.

Unfilled Orders

Most unfilled orders are for durable goods, which increased $3.4 billion or 0.8 percent to $456.2 billion. Transportation equipment accounted for most of the increase, up $2.7 billion or 1.2 percent to $219.1 billion; most of the increase was in aircraft and parts. Electrical machinery was up $0.5 billion or 0.5 percent to $93.8 billion and primary metals $0.1 billion or 0.4 percent to $26.1 billion. Nonelectrical machinery was relatively flat at $60.8 billion, as a decline in office and computing machines was offset by increases in the other categories.

Inventories

Virtually all of the increase in inventories was in durable goods, up $1.5 billion or 0.6 percent to $238.3 billion. Transportation equipment increased $0.6 billion or 1.0 percent to $65.3 billion; nearly all was in aircraft and parts. Electrical machinery was up $0.3 billion or 0.7 percent to $41.4 billion; communication equipment and electronic components accounted for most of the increase. Inventories for nondurable goods were up $0.2 billion or 0.1 percent to $120.8 billion.

By stage of fabrication for durable goods, materials and supplies increased 1.1 percent, and work in process 0.7 percent; finished goods decreased 0.2 percent. For nondurables, materials and supplies decreased 0.2 percent; work in process and finished goods increased 0.2 percent and 0.4 percent respectively.

Scheduled Release Dates

The advance report on durable goods for March is scheduled for April 25, 1989 at 8:30 a.m. and the full report on May 2, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Feb. 1988	Feb. 89/88[p]	1989[p]	1988
All manufacturing industries	227,613	231,485	230,827	-1.7	+0.3	+2.8	228,025	212,037	226,032	207,962	+9.6	440,062	396,311
Manufacturing industries with unfilled orders	125,607	127,443	128,078	-1.4	-0.5	+2.6	125,223	114,879	128,990	114,913	+9.0	240,102	217,696
Durable goods industries	120,799	123,578	124,175	-2.2	-0.5	+3.6	121,498	110,887	122,482	110,727	+9.7	232,385	208,055
With unfilled orders	98,686	100,472	101,145	-1.8	-0.7	+3.1	98,384	89,422	102,475	89,920	+9.4	187,806	169,154
Stone, clay, and glass products	5,358	5,575	5,549	-3.9	+0.5	-0.7	5,043	4,849	4,815	4,933	+2.2	9,892	9,382
Primary metals	12,542	12,869	12,861	-2.5	+0.1	+1.2	12,839	12,181	11,796	11,112	+15.5	25,020	21,392
Blast furnaces, steel mills	5,037	5,222	5,201	-3.5	+0.4	-0.1	5,148	5,068	4,836	5,031	+2.3	10,216	9,617
Iron and steel foundries	891	903	921	-1.3	-2.0	+3.3	912	839	781	844	+8.1	1,751	1,546
Nonferrous and other primary metals	6,614	6,744	6,739	-1.9	+0.1	+1.9	6,779	6,274	6,179	5,237	+29.4	13,053	10,229
Fabricated metal products	12,915	13,198	12,865	-2.1	+2.6	+2.1	13,060	11,771	11,732	11,704	+11.6	24,831	21,916
Machinery, except electrical	21,891	21,491	21,642	+1.9	-0.7	+3.6	21,368	18,612	23,686	18,955	+12.7	39,980	35,476
Engines and turbines	1,493	1,376	1,466	+8.5	-6.1	+10.4	1,453	1,181	1,812	1,227	+18.4	2,634	2,306
Construction, mining and material handling equipment	2,659	2,705	2,529	-1.7	+7.0	+3.2	2,603	2,422	2,441	2,386	+9.1	5,025	4,506
Metalworking machinery	1,006	964	1,076	+4.4	-10.4	+8.1	1,005	797	1,181	887	+13.3	1,802	1,645
Office and computing machines	5,367	5,597	5,703	-4.1	-1.9	+4.0	4,734	4,156	8,007	4,847	-2.3	8,890	8,803
Electrical machinery	19,279	19,794	19,953	-2.6	-0.8	+4.5	19,108	17,642	20,728	18,187	+5.1	36,750	34,578
Electrical transmission and distribution equipment and industrial apparatus	2,569	2,541	2,391	+1.1	+6.3	-0.2	2,621	2,271	2,393	2,271	+15.4	4,892	4,245
Household appliances	1,629	1,581	1,526	+3.0	+3.6	+4.1	1,565	1,434	1,343	1,387	+12.8	2,999	2,759
Radio and TV	988	960	992	+2.9	-3.2	-7.5	915	855	960	849	+7.8	1,770	1,660
Communication equipment	5,908	6,411	6,755	-7.8	-5.1	+10.1	5,745	5,320	7,969	5,942	-3.3	11,065	11,010
Electronic components	4,717	4,806	4,768	-1.9	+0.8	+5.4	4,825	4,488	4,493	4,492	+7.4	9,313	8,543
Other electrical machinery	3,468	3,495	3,521	-0.8	-0.7	+0.4	3,437	3,274	3,570	3,246	+5.9	6,711	6,361
Transportation equipment	30,819	31,834	32,521	-3.2	-2.1	+5.0	32,463	29,190	31,993	28,860	+12.5	61,653	53,320
Motor vehicles and parts	19,861	20,850	20,948	-4.7	-0.5	+6.5	21,780	20,158	18,020	18,475	+17.9	41,938	33,975
Aircraft, missiles, and parts.	8,770	8,896	9,186	-1.4	-3.2	+0.7	8,510	7,094	11,558	8,344	+2.0	15,604	15,480
Shipbuilding and military tank vehicles	938	896	1,126	+4.7	-20.4	+29.4	938	761	1,347	865	+8.4	1,699	1,674
Instruments and related products	6,240	6,403	6,342	-2.5	+1.0	+6.4	6,116	5,830	6,523	5,716	+7.0	11,946	10,856
Scientific and engineering instruments	4,145	4,256	4,265	-2.6	-0.2	+6.6	4,120	3,986	4,403	3,912	+5.3	8,106	7,502
Photographic goods	1,934	1,966	1,921	-1.6	+2.3	+6.0	1,837	1,696	1,983	1,618	+13.5	3,533	3,000
All other durable goods	11,755	12,414	12,442	-5.3	-0.2	+3.1	11,501	10,812	11,209	11,260	+2.1	22,313	21,135
Nondurable goods industries	106,814	107,907	106,652	-1.0	+1.2	+1.8	106,527	101,150	103,550	97,235	+9.6	207,677	188,256
With unfilled orders	26,921	26,971	26,933	-0.2	+0.1	+1.1	26,839	25,457	26,515	24,993	+7.4	52,296	48,542
Food and kindred products	31,746	31,720	30,995	+0.1	+2.3	+1.3	31,460	29,650	30,719	27,971	+12.5	61,110	54,535
Dairy poducts	4,139	4,144	4,258	-0.1	-2.7	+2.0	4,106	3,935	4,126	3,922	+4.7	8,041	7,675
Beverages	4,237	4,255	4,063	-0.4	+4.7	-2.0	3,839	3,733	3,623	3,447	+11.4	7,572	6,868
All other foods	14,722	14,942	14,507	-1.5	+3.0	+1.1	15,134	13,984	14,832	13,142	+15.2	29,118	25,173
Tobacco products	1,785	1,878	1,957	-5.0	-4.0	-7.2	1,564	1,218	2,455	1,466	+6.7	2,782	2,451
Textile mill products	5,434	5,520	5,397	-1.6	+2.3	+2.4	5,341	4,742	5,118	4,726	+13.0	10,083	8,869
Broadwoven fabrics	3,289	3,263	3,182	+0.8	+2.5	+0.3	3,282	2,877	3,206	2,924	+12.2	6,159	5,555
Paper and allied products	10,792	10,938	10,956	-1.3	-0.2	+1.6	11,020	10,822	10,528	10,075	+9.4	21,842	19,816
Pulp, paper etc.	4,878	4,912	4,860	-0.7	+1.1	+1.4	5,025	4,904	4,803	4,524	+11.1	9,929	8,838
Paperboard containers	2,693	2,644	2,680	+1.9	-1.3	-0.2	2,709	2,560	2,465	2,392	+13.3	5,269	4,713
All other paper products	3,221	3,382	3,416	-4.8	-1.0	+3.5	3,286	3,358	3,260	3,159	+4.0	6,644	6,265
Chemicals and allied products	20,959	21,327	21,110	-1.7	+1.0	-1.1	21,378	20,853	20,397	19,383	+10.3	42,231	37,700
Industrial chemicals, except pigments	5,957	6,114	6,059	-2.6	+0.9	-0.9	5,999	5,842	5,910	5,234	+14.6	11,841	10,204
Drugs, soaps, and toiletries	6,420	6,521	6,298	-1.5	+3.5	-2.1	6,510	6,603	6,319	6,029	+8.0	13,113	11,929
Other chemical products	5,672	5,824	5,758	-2.6	+1.1	+1.4	5,927	5,532	5,553	5,442	+8.9	11,459	10,295
Petroleum and coal products	10,762	10,384	10,237	+3.6	+1.4	+3.0	10,135	10,044	10,363	9,542	+6.2	20,179	19,332
Rubber and plastics products	8,012	8,568	8,318	-6.5	+3.0	+6.2	8,175	7,885	7,518	7,249	+12.8	16,060	13,696
All other nondurable goods	17,324	17,572	17,682	-1.4	-0.6	+4.8	17,454	15,936	16,452	16,823	+3.8	33,390	32,078
Market categories:													
Home goods and apparel	14,699	15,108	15,317	-2.7	-1.4	+6.0	14,961	12,909	12,834	14,288	+4.7	27,870	26,259
Consumer staples	44,318	44,467	43,518	-0.3	+2.2	+0.6	43,667	41,211	43,826	39,256	+11.2	84,878	76,177
Equipment and defense prod. except automotive	37,088	37,178	38,315	-0.2	-3.0	+4.9	36,026	31,586	43,621	33,783	+6.6	67,612	63,027
Automotive equipment	22,332	23,343	23,527	-4.3	-0.8	+5.8	24,080	22,419	20,187	20,620	+16.8	46,499	38,139
Construction materials, supplies and intermediate products	17,386	18,390	18,102	-5.5	+1.6	+3.3	16,507	15,764	15,992	15,938	+3.6	32,271	30,047
Other materials, supplies, and intermediate products	91,790	92,999	92,048	-1.3	+1.0	+1.6	92,784	88,148	89,572	84,077	+10.4	180,932	162,662
Supplementary series:[2]													
Capital goods industries	41,782	42,060	42,772	-0.7	-1.7	+3.9	40,621	35,665	48,979	37,917	+7.1	76,286	70,970
Nondefense	33,344	33,330	32,675	0.0	+2.0	+0.5	32,432	28,445	36,858	29,405	+10.3	60,877	55,008
Excluding aircraft and parts	29,328	29,082	29,103	+0.8	-0.1	+3.6	28,532	25,123	32,067	25,667	+11.2	53,655	48,139
Defense	8,438	8,730	10,097	-3.3	-13.5	+16.6	8,189	7,220	12,121	8,512	-3.8	15,409	15,962
Household durable goods industries	6,990	6,933	6,934	+0.8	0.0	-0.2	6,904	5,901	6,162	6,424	+7.5	12,805	12,010

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1989[P]	Jan. 1989[r]	Dec. 1988	Jan.-Feb.[P]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1989[P]	Jan. 1989[r]	Dec. 1988	Feb. 1988	Feb. 89/88[P]	1989[P]	1988
All manufacturing industries	230,680	236,075	238,886	-2.3	-1.2	+4.7	234,123	222,407	235,710	215,304	+8.7	456,530	414,292
Manufacturing industries with unfilled orders	128,674	132,033	136,137	-2.5	-3.0	+6.1	131,321	125,249	138,668	122,255	+7.4	256,570	235,677
Durable goods industries	124,203	128,479	132,149	-3.3	-2.8	+7.4	127,622	120,986	132,230	117,701	+8.4	248,608	225,043
With unfilled orders	102,090	105,373	109,119	-3.1	-3.4	+7.7	104,508	99,521	112,223	96,894	+7.9	204,029	186,142
Stone, clay, and glass products	5,316	5,437	5,438	-2.2	0.0	-4.3	5,232	4,874	4,608	5,184	+0.9	10,106	9,954
Primary metals	12,656	13,079	13,210	-3.2	-1.0	+4.6	13,808	13,462	13,129	12,306	+12.2	27,270	23,771
Blast furnaces, steel mills	5,119	5,840	5,350	-12.3	+9.2	+8.1	5,868	6,073	5,553	5,527	+6.2	11,941	10,484
Iron and steel foundries	918	965	958	-4.9	+0.7	+12.2	938	1,014	771	879	+6.7	1,952	1,682
Nonferrous and other primary metals	6,619	6,274	6,902	+5.5	-9.1	+1.2	7,002	6,375	6,805	5,900	+18.7	13,377	11,605
Fabricated metal products	13,268	12,983	12,917	+2.2	+0.5	+4.1	13,545	11,702	11,908	11,961	+13.2	25,247	21,881
Machinery, except electrical	21,878	22,384	21,709	-2.3	+3.1	+1.2	21,895	20,157	23,356	20,059	+9.2	42,052	37,963
Engines and turbines	1,600	1,482	698	+8.0	112.3	-47.1	1,523	1,252	959	1,140	+33.6	2,775	2,146
Construction, mining and material handling equipment	2,733	2,924	2,758	-6.5	+6.0	+11.1	2,758	2,577	2,889	2,506	+10.1	5,335	4,666
Metalworking machinery	1,038	1,072	1,283	-3.2	-16.4	+1.1	1,071	952	1,087	1,125	-4.8	2,023	1,971
Office and computing machines	5,004	5,662	5,635	-11.6	+0.5	+3.6	4,643	4,258	7,557	5,255	-11.6	8,901	9,306
Electrical machinery	19,782	19,563	19,922	+1.1	-1.8	-0.9	20,082	18,168	20,447	18,344	+9.5	38,250	36,710
Electrical transmission and distribution equipment and industrial apparatus	2,603	2,915	2,342	-10.7	+24.5	-0.3	2,740	2,680	2,327	2,326	+17.8	5,420	4,403
Communication equipment	6,539	5,818	6,888	+12.4	-15.5	-6.5	6,551	5,341	7,950	5,398	+21.4	11,892	11,879
Electronic components	4,593	4,562	4,638	+0.7	-1.6	+8.2	4,939	4,274	4,437	5,043	-2.1	9,213	9,348
Other electrical machinery	3,300	3,585	3,485	-7.9	+2.9	-1.9	3,301	3,350	3,485	3,361	-1.8	6,651	6,476
Transportation equipment	33,519	36,133	39,550	-7.2	-8.6	+22.1	35,519	34,975	40,874	32,242	+10.2	70,494	61,310
Aircraft, missiles, and parts.	10,709	13,350	14,145	-19.8	-5.6	+31.4	10,614	12,928	18,313	11,713	-9.4	23,542	22,911
Shipbuilding and military tank vehicles	1,490	566	3,206	163.3	-82.3	368.7	1,514	440	3,352	655	131.1	1,954	2,056
Instruments and related products	5,982	6,285	6,860	-4.8	-8.4	+9.4	5,711	5,912	7,057	5,691	+0.4	11,623	11,050
Scientific and engineering instruments	3,918	4,257	4,611	-8.0	-7.7	+8.0	3,745	4,115	4,793	3,949	-5.2	7,860	7,685
All other durable goods	11,802	12,615	12,542	-6.4	+0.6	+3.7	11,830	11,736	10,851	11,914	-0.7	23,566	22,404
Nondurable goods industries	106,477	107,596	106,737	-1.0	+0.8	+1.5	106,501	101,421	103,480	97,603	+9.1	207,922	189,249
With unfilled orders	26,584	26,660	27,018	-0.3	-1.3	+0.1	26,813	25,728	26,445	25,361	+5.7	52,541	49,535
Market categories:													
Home goods and apparel	14,567	15,457	15,504	-5.8	-0.3	+7.1	15,267	14,400	12,358	15,222	+0.3	29,667	28,265
Consumer staples	44,287	44,417	43,491	-0.3	+2.1	+0.5	43,625	41,206	43,848	39,442	+10.6	84,831	76,333
Equipment and defense prod. except automotive	40,796	40,472	46,534	+0.8	-13.0	+15.2	40,317	37,006	53,447	38,079	+5.9	77,323	71,670
Automotive equipment	22,334	23,295	23,633	-4.1	-1.4	+5.9	24,249	22,468	20,424	20,653	+17.4	46,717	38,147
Construction materials, supplies and intermediate products	17,238	18,163	18,098	-5.1	+0.4	+3.1	16,661	15,751	15,949	16,307	+2.2	32,412	30,741
Other materials, supplies, and intermediate products	91,458	94,271	91,626	-3.0	+2.9	+1.6	94,004	91,576	89,684	85,601	+9.8	185,580	169,136
Supplementary series:													
Capital goods industries	45,404	47,167	49,839	-3.7	-5.4	+12.7	45,241	43,381	57,127	42,051	+7.6	88,622	82,206
Nondefense	37,061	40,352	39,432	-8.2	+2.3	+10.1	36,943	36,298	43,051	33,882	+9.0	73,241	63,937
Excluding aircraft and parts	29,672	30,550	28,815	-2.9	+6.0	+0.8	29,670	27,422	31,215	27,125	+9.4	57,092	51,428
Defense	8,343	6,815	10,407	+22.4	-34.5	+24.0	8,298	7,083	14,076	8,169	+1.6	15,381	18,269
Household durable goods industries	6,869	7,206	7,158	-4.7	+0.7	+2.8	7,078	7,093	5,909	7,114	-0.5	14,171	13,511

[P] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Feb. 1988	Feb. 89/88[p]
All manufacturing industries	476,517	473,450	468,860	+0.6	+1.0	+1.7	480,402	474,304	463,934	433,979	+10.7
Durable goods industries	456,173	452,769	447,868	+0.8	+1.1	+1.8	460,180	454,056	443,957	413,551	+11.3
Stone, clay, and glass products	5,692	5,734	5,872	-0.7	-2.4	-1.9	5,826	5,637	5,612	5,649	+3.1
Primary metals	26,061	25,947	25,737	+0.4	+0.8	+1.4	27,394	26,425	25,144	25,557	+7.2
Blast furnaces, steel mills	11,603	11,521	10,903	+0.7	+5.7	+1.4	12,450	11,730	10,725	12,292	+1.3
Iron and steel foundries	2,332	2,305	2,243	+1.2	+2.8	+1.7	2,381	2,355	2,180	2,067	+15.2
Nonferrous and other primary metals	12,126	12,121	12,591	0.0	-3.7	+1.3	12,563	12,340	12,239	11,198	+12.2
Fabricated metal products	28,544	28,191	28,406	+1.3	-0.8	+0.2	28,608	28,123	28,192	29,614	-3.4
Machinery, except electrical	60,843	60,856	59,963	0.0	+1.5	+0.1	61,351	60,824	59,279	54,478	+12.6
Engines and turbines	4,697	4,590	4,484	+2.3	+2.4	-14.6	4,743	4,673	4,602	5,162	-8.1
Construction, mining and material handling equipment	8,634	8,560	8,341	+0.9	+2.6	+2.8	8,833	8,678	8,523	7,213	+22.5
Metalworking machinery	4,993	4,961	4,853	+0.6	+2.2	+4.5	4,803	4,737	4,582	3,062	+56.9
Office and computing machines	13,173	13,536	13,471	-2.7	+0.5	-0.5	13,081	13,172	13,070	14,019	-6.7
Electrical machinery	93,770	93,267	93,498	+0.5	-0.2	0.0	93,890	92,916	92,390	94,276	-.4
Electrical transmission and distribution equipment and industrial apparatus	7,309	7,275	6,901	+0.5	+5.4	-0.7	7,376	7,257	6,848	6,544	+12.7
Communication equipment	65,989	65,358	65,951	+1.0	-0.9	+0.2	66,363	65,557	65,536	67,231	-1.3
Electronic components	14,479	14,603	14,847	-0.8	-1.6	-0.9	14,305	14,191	14,405	15,148	-5.6
Other electrical machinery	4,669	4,837	4,747	-3.5	+1.9	-0.8	4,604	4,740	4,664	4,229	+8.9
Transportation equipment	219,119	216,419	212,120	+1.2	+2.0	+3.4	221,308	218,252	212,467	182,699	+21.1
Aircraft, missiles, and parts.	181,115	179,176	174,722	+1.1	+2.5	+2.9	183,070	180,966	175,132	152,837	+19.8
Shipbuilding and military tank vehicles	26,497	25,945	26,275	+2.1	-1.3	+8.6	26,492	25,916	26,237	19,161	+38.3
Instruments and related products	14,414	14,672	14,790	-1.8	-0.8	+3.6	14,377	14,782	14,700	13,692	+5.0
Scientific and engineering instruments	13,401	13,628	13,627	-1.7	0.0	+2.6	13,401	13,776	13,647	12,743	+5.2
All other durable goods	7,730	7,683	7,482	+0.6	+2.7	+1.4	7,426	7,097	6,173	7,586	-2.1
Nondurable goods industries	20,344	20,681	20,992	-1.6	-1.5	+0.4	20,222	20,248	19,977	20,428	-1.0
Market categories:											
Home goods and apparel	8,604	8,736	8,387	-1.5	+4.2	+2.3	8,372	8,066	6,575	9,084	-7.8
Consumer staples	755	786	836	-3.9	-6.0	-3.1	797	839	844	824	-3.3
Equipment and defense prod. except automotive	293,733	290,025	286,731	+1.3	+1.1	+3.0	296,408	292,117	286,697	260,835	+13.6
Automotive equipment	8,842	8,840	8,888	0.0	-0.5	+1.2	9,081	8,912	8,863	9,211	-1.4
Construction materials, supplies and intermediate products	15,166	15,314	15,541	-1.0	-1.5	0.0	15,282	15,128	15,141	15,289	.0
Other materials, supplies, and intermediate products	149,417	149,749	148,477	-0.2	+0.9	-0.3	150,462	149,242	145,814	138,736	+8.5
Supplementary series:											
Capital goods industries	353,766	350,144	345,037	+1.0	+1.5	+2.1	356,579	351,959	344,243	312,218	+14.2
Nondefense	190,379	186,662	179,640	+2.0	+3.9	+3.9	191,137	186,626	178,773	147,789	+29.3
Excluding aircraft and parts	89,419	89,075	87,607	+0.4	+1.7	-0.3	90,177	89,039	86,740	81,001	+11.3
Defense	163,387	163,482	165,397	-0.1	-1.2	+0.2	165,442	165,333	165,470	164,429	+.6
Household durable goods industries	6,274	6,395	6,122	-1.9	+4.5	+3.8	6,095	5,921	4,729	6,448	-5.5

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1989p	Jan. 1989r	Dec. 1988	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.	Feb. 1989p	Jan. 1989r	Dec. 1988	Feb. 1988	Feb. 89/88p
All manufacturing industries	359,087	357,458	354,163	+0.5	+0.9	+0.7	360,803	356,430	348,465	336,650	+7.2
Manufacturing industries with unfilled orders	250,784	249,272	246,143	+0.6	+1.3	+0.9	250,621	246,628	240,644	230,849	+8.6
Durable goods industries	238,267	236,810	233,666	+0.6	+1.3	+0.8	239,018	235,168	229,040	220,394	+8.5
With unfilled orders	220,169	218,545	215,583	+0.7	+1.4	+0.9	220,033	216,391	210,998	202,115	+8.9
Stone, clay, and glass products	7,607	7,561	7,505	+0.6	+0.7	+0.5	7,726	7,515	7,368	7,316	+5.6
Primary metals	20,784	20,589	20,279	+0.9	+1.5	+1.5	20,801	20,675	20,198	18,668	+11.4
Blast furnaces, steel mills	10,363	10,222	10,119	+1.4	+1.0	+3.6	10,228	10,204	10,156	8,808	+16.1
Iron and steel foundries	1,380	1,391	1,327	-0.8	+4.8	+1.2	1,424	1,385	1,300	1,331	+7.0
Nonferrous and other primary metals	9,041	8,976	8,833	+0.7	+1.6	-0.8	9,149	9,086	8,742	8,529	+7.3
Fabricated metal products	23,813	23,776	23,552	+0.2	+1.0	+0.3	23,880	23,765	23,148	23,166	+3.1
Machinery, except electrical	47,560	47,407	46,729	+0.3	+1.5	+1.2	47,870	47,150	45,803	42,719	+12.1
Engines and turbines	3,062	3,081	2,986	-0.6	+3.2	-3.5	3,033	2,953	2,808	2,708	+12.0
Construction, mining and material handling equipment	7,752	7,706	7,641	+0.6	+0.9	+2.4	7,837	7,699	7,610	6,839	+14.6
Metalworking machinery	3,106	2,936	3,040	+5.8	-3.4	+3.3	3,125	2,902	2,953	2,550	+22.5
Office and computing machines	12,331	12,371	12,126	-0.3	+2.0	+1.0	12,294	12,143	11,812	10,864	+13.2
Electrical machinery	41,396	41,090	40,683	+0.7	+1.0	-0.2	41,098	40,422	39,706	39,280	+4.6
Electrical transmission and distribution equipment and industrial apparatus	5,158	5,178	5,209	-0.4	-0.6	+0.9	5,154	5,136	5,084	4,991	+3.3
Household appliances	2,959	3,000	2,900	-1.4	+3.4	+1.4	3,009	2,948	2,746	2,912	+3.3
Radio and TV	1,613	1,541	1,506	+4.7	+2.3	+5.8	1,539	1,442	1,413	1,314	+17.1
Communication equipment	16,268	16,083	15,963	+1.2	+0.8	-1.2	16,138	15,838	15,629	16,232	-.6
Electronic components	8,893	8,799	8,749	+1.1	+0.6	-1.5	8,857	8,747	8,674	7,964	+11.2
Other electrical machinery	6,505	6,489	6,356	+0.2	+2.1	+1.6	6,401	6,311	6,160	5,867	+9.1
Transportation equipment	65,308	64,660	63,229	+1.0	+2.3	+1.5	65,436	63,886	61,686	58,346	+12.2
Motor vehicles and parts	12,264	12,282	11,839	-0.1	+3.7	-0.3	12,678	12,623	11,831	11,937	+6.2
Aircraft, missiles, and parts.	48,719	48,148	47,438	+1.2	+1.5	+3.0	48,419	47,103	45,914	42,559	+13.8
Shipbuilding and military tank vehicles	2,332	2,228	1,962	+4.7	+13.6	-13.7	2,266	2,146	1,866	1,920	+18.0
Instruments and related products	14,246	14,125	14,040	+0.9	+0.6	+1.8	14,187	13,935	13,691	12,735	+11.4
Scientific and engineering instruments	10,549	10,432	10,294	+1.1	+1.3	+2.9	10,496	10,304	10,148	9,382	+11.9
Photographic goods	3,079	3,074	3,115	+0.2	-1.3	-1.7	3,085	3,027	2,940	2,746	+12.3
All other durable goods	17,553	17,602	17,649	-0.3	-0.3	-1.0	18,020	17,820	17,440	18,164	-.8
Nondurable goods industries	120,820	120,648	120,497	+0.1	+0.1	+0.6	121,785	121,262	119,425	116,256	+4.8
With unfilled orders	30,615	30,727	30,560	-0.4	+0.5	+0.6	30,588	30,237	29,646	28,734	+6.5
Food and kindred products	26,278	26,266	26,361	0.0	-0.4	+1.4	26,432	26,872	26,875	25,044	+5.5
Dairy products	2,531	2,481	2,423	+2.0	+2.4	+3.5	2,498	2,447	2,363	2,222	+12.4
Beverages	4,304	4,295	4,485	+0.2	-4.2	-0.3	4,364	4,349	4,503	4,491	-2.8
All other foods	14,794	14,795	14,825	0.0	-0.2	+1.0	14,735	15,072	15,316	14,333	+2.8
Tobacco products	5,414	5,349	5,609	+1.2	-4.6	-1.8	5,739	5,754	5,888	5,986	-4.1
Textile mill products	7,626	7,636	7,605	-0.1	+0.4	-0.6	7,676	7,569	7,328	7,557	+1.6
Broadwoven fabrics	4,413	4,448	4,392	-0.8	+1.3	-0.7	4,457	4,437	4,279	4,422	+.8
Paper and allied products	12,015	12,093	12,065	-0.6	+0.2	+1.1	12,125	12,044	11,949	11,489	+5.5
Pulp, paper etc.	4,483	4,478	4,325	+0.1	+3.5	+1.7	4,598	4,548	4,321	4,038	+13.9
Paperboard containers	3,076	3,149	3,236	-2.3	-2.7	-0.3	3,113	3,122	3,193	3,135	-.7
All other paper products	4,456	4,466	4,504	-0.2	-0.8	+1.4	4,414	4,374	4,435	4,316	+2.3
Chemicals and allied products	27,751	27,601	27,515	+0.5	+0.3	+1.0	28,273	27,830	27,349	26,076	+8.4
Industrial chemicals, except pigments	7,618	7,441	7,330	+2.4	+1.5	+2.0	7,763	7,495	7,235	6,889	+12.7
Drugs, soaps, and toiletries	9,257	9,398	9,543	-1.5	-1.5	0.0	9,276	9,259	9,347	9,052	+2.5
Other chemical products	6,964	6,933	6,878	+0.4	+0.8	-0.8	7,124	7,145	6,891	6,354	+12.1
Petroleum and coal products	9,486	9,376	8,879	+1.2	+5.6	+1.4	9,441	9,354	8,809	9,628	-1.9
Rubber and plastics products	10,344	10,418	10,326	-0.7	+0.9	-0.7	10,543	10,459	10,130	9,521	+10.7
All other nondurable goods	21,906	21,909	22,137	0.0	-1.0	-0.1	21,556	21,380	21,097	20,955	+2.9
Market categories:											
Home goods and apparel	26,151	26,177	26,313	-0.1	-0.5	-0.6	26,081	25,897	25,258	26,534	-1.7
Consumer staples	44,242	44,206	44,900	+0.1	-1.5	+0.9	44,652	44,678	45,150	43,196	+3.4
Equipment and defense prod. except automotive	107,615	106,390	105,287	+1.2	+1.0	+1.9	107,713	105,244	102,976	97,160	+10.9
Automotive equipment	15,005	15,002	14,611	0.0	+2.7	-0.7	15,568	15,343	14,646	14,681	+6.0
Construction materials, supplies and intermediate products	25,104	25,201	25,250	-0.4	-0.2	-0.2	25,522	25,322	24,882	25,238	+1.1
Other materials, supplies, and intermediate products	140,970	140,482	137,802	+0.3	+1.9	+0.4	141,267	139,946	135,553	129,841	+8.8
Supplementary series:[2]											
Capital goods industries	124,040	122,944	121,064	+0.9	+1.6	+1.3	123,575	120,907	117,799	111,591	+10.7
Nondefense	88,279	87,167	85,691	+1.3	+1.7	+1.8	88,278	86,092	83,616	78,070	+13.1
Excluding aircraft and parts	65,667	65,241	64,267	+0.7	+1.5	+0.8	65,610	64,439	62,713	59,142	+10.9
Defense	35,761	35,777	35,373	0.0	+1.1	+0.1	35,297	34,815	34,183	33,521	+5.3
Household durable goods industries	12,936	12,952	12,791	-0.1	+1.3	+0.6	13,014	12,801	12,315	12,961	+.4

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Feb. 1988	Feb. 89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,900	113,236	112,546	+0.6	+0.6	-0.4	114,492	114,125	113,062	107,301	+6.7
Durable goods industries	67,035	66,273	65,252	+1.1	+1.6	-0.1	67,059	66,413	65,331	61,796	+8.5
Stone, clay, and glass products	2,518	2,484	2,457	+1.4	+1.1	+0.5	2,522	2,466	2,445	2,355	+7.1
Primary metals	6,412	6,311	6,280	+1.6	+0.5	+2.8	6,357	6,477	6,564	5,714	+11.3
Fabricated metal products	8,922	8,768	8,500	+1.8	+3.2	+0.2	8,910	8,828	8,500	8,324	+7.0
Machinery, except electrical	13,185	13,114	12,653	+0.5	+3.6	-1.4	13,186	13,123	12,619	12,026	+9.6
Electrical machinery	11,326	11,284	11,172	+0.4	+1.0	-0.7	11,233	11,147	11,012	10,274	+9.3
Transportation equipment	12,870	12,655	12,616	+1.7	+0.3	+0.8	12,946	12,599	12,622	12,035	+7.6
Instruments and related products	4,882	4,847	4,759	+0.7	+1.8	-0.1	4,858	4,795	4,651	4,193	+15.9
Lumber, furniture and miscellaneous durable goods	6,920	6,810	6,815	+1.6	-0.1	-1.3	7,047	6,978	6,918	6,875	+2.5
Nondurable goods industries	46,865	46,963	47,294	-0.2	-0.7	-0.8	47,433	47,712	47,731	45,505	+4.2
Food and kindred products	9,012	9,116	9,120	-1.1	0.0	-2.3	9,168	9,538	9,432	9,088	+.9
Tobacco products	4,086	4,015	4,336	+1.8	-7.4	-2.2	4,327	4,405	4,757	4,703	-8.0
Textile mill products	2,230	2,246	2,338	-0.7	-3.9	-0.3	2,258	2,216	2,286	2,316	-2.5
Paper and allied products	6,498	6,639	6,609	-2.1	+0.5	+0.7	6,565	6,607	6,606	6,140	+6.9
Chemicals and allied products	10,013	9,920	9,911	+0.9	+0.1	+0.5	10,086	9,913	9,823	9,107	+10.7
Petroleum and coal products	2,190	2,218	2,126	-1.3	+4.3	-1.8	2,247	2,210	2,152	2,392	-6.1
Rubber and plastics products	4,173	4,198	4,136	-0.6	+1.5	-1.3	4,181	4,260	4,212	3,593	+16.4
Apparel, printing and publishing and leather goods	8,663	8,611	8,718	+0.6	-1.2	-0.6	8,601	8,563	8,463	8,166	+5.3
WORK IN PROCESS											
All manufacturing industries	129,704	128,841	127,683	+0.7	+0.9	+1.4	129,757	127,199	124,154	120,548	+7.6
Durable goods industries	110,128	109,309	108,392	+0.7	+0.8	+1.4	110,086	107,750	105,399	101,868	+8.1
Stone, clay, and glass products	1,114	1,104	1,111	+0.9	-0.6	+1.3	1,143	1,118	1,072	1,128	+1.3
Primary metals	8,497	8,449	8,305	+0.6	+1.7	0.0	8,526	8,443	8,142	7,561	+12.8
Fabricated metal products	8,263	8,333	8,462	-0.8	-1.5	+1.1	8,285	8,190	8,176	8,167	+1.4
Machinery, except electrical	18,634	18,528	18,360	+0.6	+0.9	+0.6	18,674	18,188	17,778	17,083	+9.3
Electrical machinery	20,161	19,855	19,658	+1.5	+1.0	-0.1	20,057	19,594	19,199	19,814	+1.2
Transportation equipment	44,337	43,946	43,436	+0.9	+1.2	+2.6	44,244	43,224	42,156	39,322	+12.5
Instruments and related products	5,406	5,353	5,416	+1.0	-1.2	+3.6	5,343	5,241	5,255	4,978	+7.3
Lumber, furniture and miscellaneous durable goods	3,716	3,741	3,644	-0.7	+2.7	+1.0	3,814	3,752	3,621	3,815	.0
Nondurable goods industries	19,576	19,532	19,291	+0.2	+1.2	+1.2	19,671	19,449	18,755	18,680	+5.3
Food and kindred products	2,698	2,680	2,703	+0.7	-0.9	-1.5	2,736	2,745	2,684	2,581	+6.0
Tobacco products	281	320	208	-12.2	+53.8	-8.8	287	317	232	188	+52.7
Textile mill products	2,371	2,320	2,334	+2.2	-0.6	+0.7	2,396	2,345	2,270	2,279	+5.1
Paper and allied products	1,357	1,330	1,318	+2.0	+0.9	+3.4	1,332	1,309	1,294	1,285	+3.7
Chemicals and allied products	4,406	4,392	4,402	+0.3	-0.2	+2.9	4,412	4,345	4,179	4,051	+8.9
Petroleum and coal products	2,579	2,567	2,390	+0.5	+7.4	+2.8	2,540	2,537	2,381	2,463	+3.1
Rubber and plastics products	1,357	1,415	1,416	-4.1	-0.1	-0.3	1,376	1,453	1,415	1,385	-.6
Apparel, printing and publishing and leather goods	4,527	4,508	4,520	+0.4	-0.3	+0.8	4,592	4,398	4,300	4,448	+3.2
FINISHED GOODS											
All manufacturing industries	115,483	115,381	113,934	+0.1	+1.3	+1.1	116,554	115,106	111,249	108,801	+7.1
Durable goods industries	61,104	61,228	60,022	-0.2	+2.0	+0.7	61,873	61,005	58,310	56,730	+9.1
Stone, clay, and glass products	3,975	3,973	3,937	+0.1	+0.9	+0.4	4,061	3,931	3,851	3,833	+5.9
Primary metals	5,875	5,829	5,694	+0.8	+2.4	+2.3	5,918	5,755	5,492	5,393	+9.7
Fabricated metal products	6,628	6,675	6,590	-0.7	+1.3	-0.6	6,685	6,747	6,472	6,675	+.1
Machinery, except electrical	15,741	15,765	15,716	-0.2	+0.3	+4.1	16,010	15,839	15,406	13,610	+17.6
Electrical machinery	9,909	9,951	9,853	-0.4	+1.0	+0.4	9,808	9,681	9,495	9,192	+6.7
Transportation equipment	8,101	8,059	7,177	+0.5	+12.3	-3.6	8,246	8,063	6,908	6,989	+18.0
Instruments and related products	3,958	3,925	3,865	+0.8	+1.6	+1.6	3,986	3,899	3,785	3,564	+11.8
Lumber, furniture and miscellaneous durable goods	6,917	7,051	7,190	-1.9	-1.9	-1.6	7,159	7,090	6,901	7,474	-4.2
Nondurable goods industries	54,379	54,153	53,912	+0.4	+0.4	+1.5	54,681	54,101	52,939	52,071	+5.0
Food and kindred products	14,568	14,470	14,538	+0.7	-0.5	+4.4	14,528	14,589	14,759	13,375	+8.6
Tobacco products	1,047	1,014	1,065	+3.3	-4.8	+1.6	1,125	1,032	899	1,095	+2.7
Textile mill products	3,025	3,070	2,933	-1.5	+4.7	-1.8	3,022	3,008	2,772	2,962	+2.0
Paper and allied products	4,160	4,124	4,138	+0.9	-0.3	+1.0	4,228	4,128	4,049	4,064	+4.0
Chemicals and allied products	13,332	13,289	13,202	+0.3	+0.7	+0.8	13,775	13,572	13,347	12,918	+6.6
Petroleum and coal products	4,717	4,591	4,363	+2.7	+5.2	+2.3	4,654	4,607	4,276	4,773	-2.5
Rubber and plastics products	4,814	4,805	4,774	+0.2	+0.6	-0.2	4,986	4,746	4,503	4,543	+9.8
Apparel, printing and publishing and leather goods	8,716	8,790	8,899	-0.8	-1.2	+0.1	8,363	8,419	8,334	8,341	+.3

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Nov. 1988	Feb. 1989[p]	Jan. 1989[r]	Dec. 1988	Nov. 1988
All manufacturing industries	1.58	1.54	1.53	1.57	3.79	3.71	3.66	3.69
Durable goods industries	1.97	1.92	1.88	1.93	4.62	4.51	4.43	4.48
Stone, clay, and glass products	1.42	1.36	1.35	1.34	1.15	1.12	1.15	1.16
Primary metals	1.66	1.60	1.58	1.57	2.08	2.02	2.00	2.00
Fabricated metal products	1.84	1.80	1.83	1.86	2.43	2.36	2.41	2.46
Machinery, except electrical	2.17	2.21	2.16	2.21	2.95	2.97	2.93	3.03
Electrical machinery	2.15	2.08	2.04	2.13	4.86	4.71	4.69	4.90
Transportation equipment	2.12	2.03	1.94	2.01	12.77	12.33	11.66	11.66
Instruments and related products	2.28	2.21	2.21	2.32	2.31	2.29	2.33	2.39
Nondurable goods industries	1.13	1.12	1.13	1.14	0.76	0.77	0.78	0.78
Food and kindred products	0.83	0.83	0.85	0.85	(X)	(X)	(X)	(X)
Tobacco products	3.03	2.85	2.87	2.71	(X)	(X)	(X)	(X)
Textile mill products	1.40	1.38	1.41	1.45	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.11	1.11	1.10	1.11	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.32	1.29	1.30	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.88	0.90	0.87	0.88	(X)	(X)	(X)	(X)
Rubber and plastics products	1.29	1.22	1.24	1.33	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipement; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

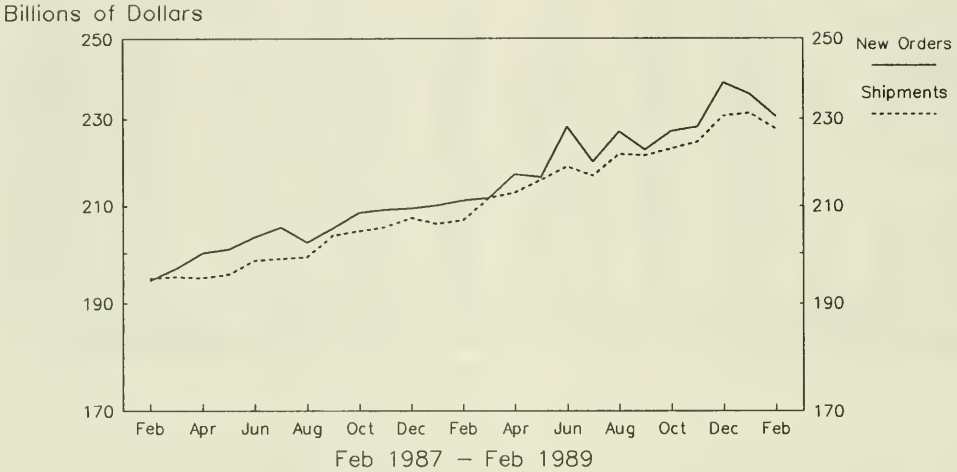
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb. 1988	Feb.[1] 1984-1988	Feb. 1988-Jan. 1989	Feb. 1988	Feb.[1] 1984-1988	Feb. 1988-Jan. 1989	Feb. 1988	Feb.[1] 1984-1988	Feb. 1988-Jan. 1989	Feb. 1988	Feb.[1] 1984-1988	Feb. 1988-Jan. 1989
All manufacturing industries	0.5	0.2	0.2	0.7	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.1
Durable goods industries	0.6	0.5	0.2	0.9	0.6	0.4	0.1	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	0.7	0.9	0.6	0.7	1.0	0.5	0.1	0.9	0.4	0.1	0.3	0.2
Primary metals	0.2	0.6	0.4	0.3	0.8	0.8	0.0	0.6	0.2	0.4	0.3	0.4
Fabricated metal products	0.8	1.1	0.4	0.4	2.0	0.7	0.3	1.0	0.3	0.1	0.3	0.1
Machinery, except electrical	0.8	0.4	0.6	1.4	0.6	1.5	0.2	0.2	0.4	0.1	0.1	0.1
Electrical machinery	0.1	0.5	0.4	1.5	0.9	0.5	0.3	0.2	0.1	0.2	0.3	0.1
Transportation equipment	0.1	0.1	0.2	0.4	0.4	0.5	0.0	0.1	0.1	0.1	0.1	0.1
Instruments and related products	1.5	1.5	0.8	1.0	1.4	1.6	0.3	0.2	0.5	0.1	0.4	0.2
Nondurable goods industries	0.5	0.3	0.3	0.3	0.3	0.3	1.4	0.6	0.7	0.0	0.2	0.1
Food and kindred products	0.1	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.3
Tobacco products	1.4	0.7	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.1
Textile mill products	0.8	0.8	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.3	0.3
Paper and allied products	0.2	0.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.2
Chemicals and allied products	1.0	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
Petroleum and coal products	0.4	1.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.5
Rubber and plastics products	0.9	0.6	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.3
Capital goods industries:												
Nondefense	0.4	0.5	0.4	1.0	0.6	1.0	0.2	0.1	0.1	0.0	0.1	0.1
Defense	0.0	0.2	0.6	0.6	0.7	1.4	0.0	0.1	0.0	0.0	0.2	0.1

(X) Not applicable. (NA) Not available.

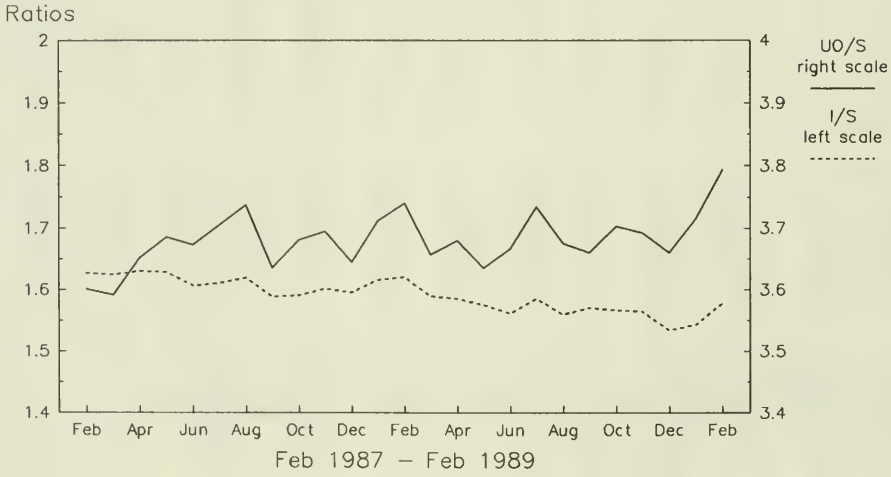
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments

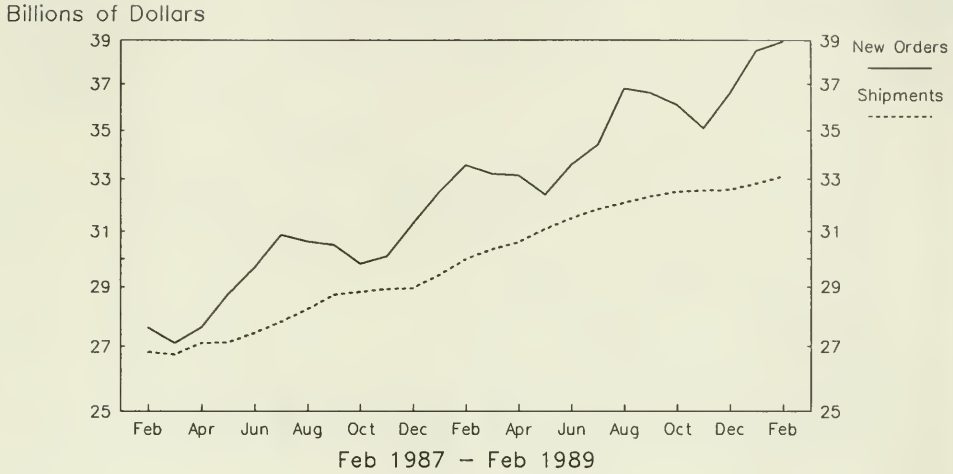


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

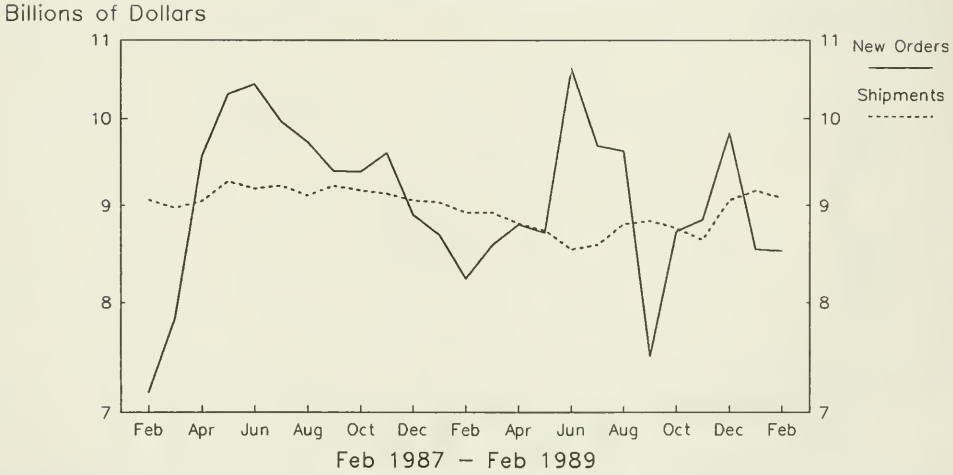


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

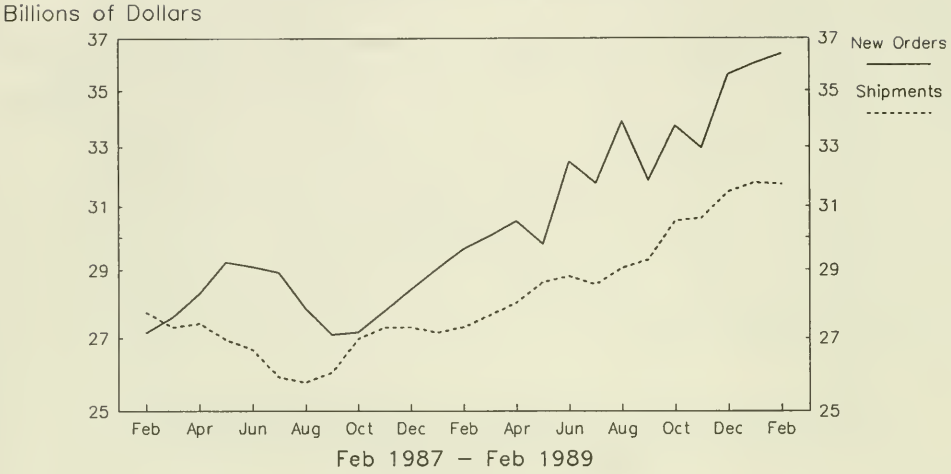


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

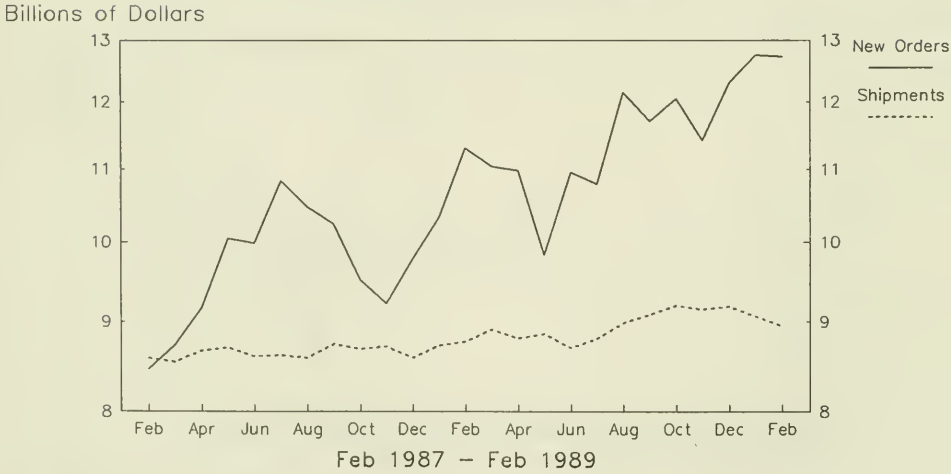


Note: All Charts based on seasonally adjusted current dollars.

Transportation Equipment
New Orders and Shipments
Three Month Moving Averages

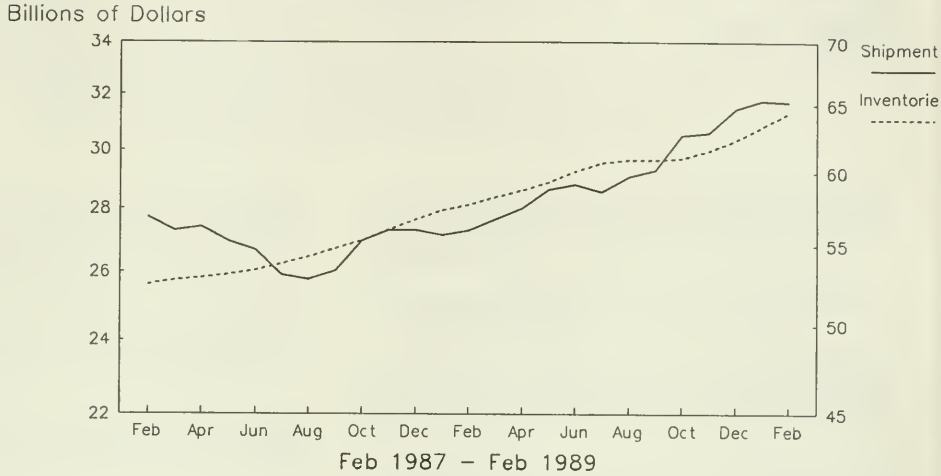


Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages

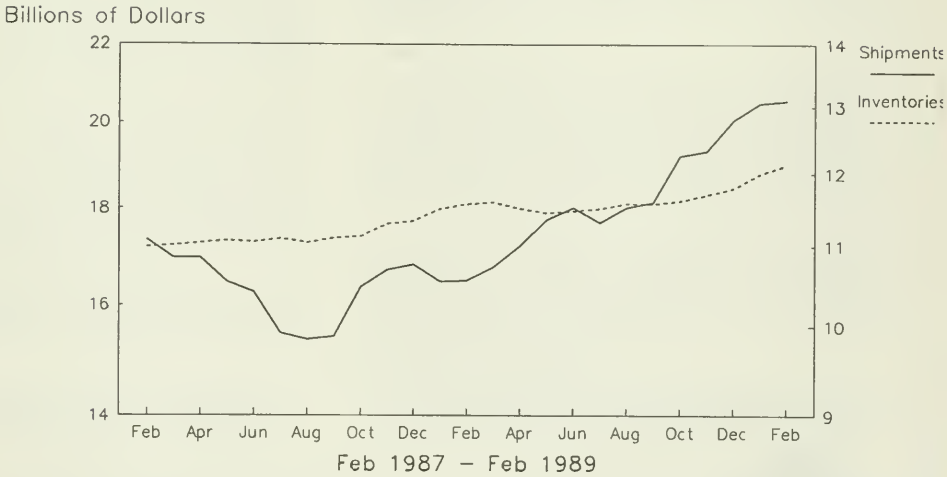


Note: All Charts based on seasonally adjusted current dollars.

Transportation Equipment
Shipments and Inventories
Three Month Moving Averages



Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

3.158:
M3-1-(89)
-3
JUN 2 1989

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

March 1989

M3-1-(89)-3

U. S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmissions 10:00 a.m. E.D.T. Tuesday, May 2, 1989

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in March increased $1.6 billion or 0.7 percent to $232.9 billion, the Department of Commerce, Bureau of the Census reported today. This increase followed declines in February of 2.0 percent and January of 1.2 percent.

Shipments of manufactured goods were down $0.3 billion or 0.1 percent to $228.1 billion, following a 1.4 percent decline in February. January shipments were up 0.3 percent.

Unfilled orders in March increased $4.8 billion or 1.0 percent to $481.2 billion, with virtually all of the increase in aircraft and parts. Excluding aircraft, the order backlog declined 0.6 percent.

Manufacturers' inventories increased $1.9 billion or 0.5 percent in March to $360.9 billion. Nearly half of the increase was in the aircraft and parts industry. The inventory to shipments ratio in March was 1.58, up from 1.57 in February.

New Orders

Both the durable and nondurable sectors showed order increases in March. Durables increased $1.1 billion or 0.9 percent to $125.2 billion. A large increase in aircraft and parts orders was partially offset by declines in most of the other categories. Excluding aircraft, durable goods orders declined 3.6 percent.

The specific major industries showing the largest declines were electrical machinery, down $1.3 billion or 6.7 percent to $18.3 billion, fabricated metals, down $0.5 billion or 3.7 percent to $12.9 billion and primary metals down $0.6 billion or 4.6 percent to $12.0 billion. Instruments and related products and nonelectrical machinery both had increases for the month.

New Orders for nondurable goods increased $0.5 billion or 0.5 percent to $107.7 billion, following a decline in February of 0.4 percent.

Shipments

Durable goods shipments in March decreased $0.6 billion or 0.5 percent to $120.4 billion. Transportation equipment declined $0.5 billion or 1.6 percent to $30.2 billion; a $0.9 billion drop in motor vehicles and parts was partially offset by an increase of $0.4 billion in aircraft and parts.

Primary metals and stone, clay and glass products were each down $0.2 billion.

Shipments of nondurable goods increased $0.3 billion or 0.3 percent to $107.7 billion. The largest increases were in foods, petroleum and apparel; the largest declines were in printing and publishing and chemicals.

Unfilled Orders

Unfilled orders for durable goods increased $4.8 billion or 1.1 percent to $460.8 billion. This is the twenty-fifth consecutive monthly increase since February 1987 when the level was $366.2 billion. Excluding transportation equipment unfilled orders declined 0.7 percent. Electrical machinery declined $1.2 billion or 1.3 percent to $92.4 billion. Primary metals were down $0.4 billion or 1.4 percent to $25.6 billion and fabricated metals $0.3 billion or 0.9 percent to $28.3 billion. Unfilled orders for nondurable goods were flat at $20.5 billion.

Inventories

Inventories held by durable goods manufacturers increased $1.0 billion or 0.4 percent to $239.1 billion. Excluding the increase in aircraft and parts, inventories were relatively unchanged from February. Inventories of nondurable goods increased $0.9 billion or 0.7 percent to $121.8 billion. Most of the increase was in chemical products, up $0.7 billion or 2.4 percent to $28.5 billion.

By stage of fabrication, virtually all of the inventory increase was in work in process, up 1.2 percent in durables and 2.6 percent in nondurables. A 1.0 percent decline in durable finished goods was offset by a 1.0 percent increase in nondurables.

Scheduled Release Dates

The advance report on durable goods for April is scheduled for May 23, 1989 at 8:30 a.m. and the full report on May 31, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Mar. 1988	Mar. 89/88[p]	1989[p]	1988
All manufacturing industries	228,069	228,353	231,485	-0.1	-1.4	+0.3	238,924	229,134	212,037	222,888	+7.2	680,095	619,199
Manufacturing industries with unfilled orders	125,484	126,077	127,443	-0.5	-1.1	-0.5	133,042	125,897	114,879	124,914	+6.5	373,818	342,610
Durable goods industries	120,366	120,924	123,578	-0.5	-2.1	-0.5	128,768	121,870	110,887	121,221	+6.2	361,525	329,276
With unfilled orders	98,931	98,853	100,472	+0.1	-1.6	-0.7	106,049	98,703	89,422	99,120	+7.0	294,174	268,274
Stone, clay, and glass products	5,117	5,356	5,575	-4.5	-3.9	+0.5	5,206	5,064	4,849	5,374	-3.1	15,119	14,756
Primary metals	12,388	12,553	12,869	-1.3	-2.5	+0.1	13,067	12,905	12,181	12,150	+7.5	38,153	33,542
Blast furnaces, steel mills	5,131	5,080	5,222	+1.0	-2.7	+0.4	5,408	5,198	5,068	5,417	-0.2	15,674	15,034
Iron and steel foundries	837	890	903	-6.0	-1.4	-2.0	873	915	839	885	-1.4	2,627	2,431
Nonferrous and other primary metals	6,420	6,583	6,744	-2.5	-2.4	+0.1	6,786	6,792	6,274	5,848	+16.0	19,852	16,077
Fabricated metal products	13,146	13,044	13,198	+0.8	-1.2	+2.6	14,005	13,210	11,771	12,446	+12.5	38,986	34,362
Machinery, except electrical	21,897	21,939	21,491	-0.2	+2.1	-0.7	24,111	21,421	18,612	21,993	+9.6	64,144	57,469
Engines and turbines	1,406	1,484	1,376	-5.3	+7.8	-6.1	1,606	1,463	1,181	1,459	+10.1	4,250	3,765
Construction, mining and material handling equipment	2,760	2,682	2,705	+2.9	-0.9	+7.0	2,926	2,617	2,422	2,616	+11.9	7,965	7,122
Metalworking machinery	1,009	1,007	964	+0.2	+4.5	-10.4	1,157	1,007	797	1,026	+12.8	2,961	2,671
Office and computing machines	5,840	5,355	5,597	+9.1	-4.3	-1.9	6,844	4,717	4,156	6,489	+5.5	15,717	15,292
Electrical machinery	19,480	19,225	19,794	+1.3	-2.9	-0.8	20,780	19,078	17,642	19,752	+5.2	57,500	54,330
Electrical transmission and distribution equipment and industrial apparatus	2,467	2,548	2,541	-3.2	+0.3	+6.3	2,680	2,612	2,271	2,405	+11.4	7,563	6,650
Household appliances	1,618	1,636	1,581	-1.1	+3.5	+3.6	1,654	1,570	1,434	1,572	+5.2	4,658	4,331
Radio and TV	992	970	960	+2.3	+1.0	-3.2	988	891	855	898	+10.0	2,734	2,558
Communication equipment	6,252	5,886	6,411	+6.2	-8.2	-5.1	6,974	5,731	5,320	6,863	+1.6	18,025	17,873
Electronic components	4,721	4,692	4,806	+0.6	-2.4	+0.8	5,051	4,795	4,488	4,540	+11.3	14,334	13,083
Other electrical machinery	3,430	3,493	3,495	-1.8	-0.1	-0.7	3,433	3,479	3,274	3,474	-1.2	10,186	9,835
Transportation equipment	30,214	30,698	31,834	-1.6	-3.6	-2.1	32,771	32,477	29,190	31,488	+4.1	94,438	84,808
Motor vehicles and parts	18,828	19,700	20,850	-4.4	-5.5	-0.5	20,450	21,778	20,158	19,423	+5.3	62,386	53,398
Aircraft, missiles, and parts.	9,216	8,796	8,896	+4.8	-1.1	-3.2	10,032	8,516	7,094	10,027	0.0	25,642	25,507
Shipbuilding and military tank vehicles	954	949	896	+0.5	+5.9	-20.4	953	952	761	783	+21.7	2,666	2,457
Instruments and related products	6,332	6,259	6,403	+1.2	-2.2	+1.0	6,705	6,138	5,830	6,263	+7.1	18,673	17,119
Scientific and engineering instruments	4,168	4,159	4,256	+0.2	-2.3	-0.2	4,472	4,141	3,986	4,269	+4.8	12,599	11,771
Photographic goods	2,013	1,938	1,966	+3.9	-1.4	+2.3	2,071	1,836	1,696	1,790	+15.7	5,603	4,790
All other durable goods	11,792	11,850	12,414	-0.5	-4.5	-0.2	12,123	11,577	10,812	11,755	+3.1	34,512	32,890
Nondurable goods industries	107,703	107,429	107,907	+0.3	-0.4	+1.2	110,156	107,264	101,150	101,667	+8.3	318,570	289,923
With unfilled orders	26,553	27,224	26,971	-2.5	+0.9	+0.1	26,993	27,194	25,457	25,794	+4.6	79,644	74,336
Food and kindred products	32,413	31,842	31,720	+1.8	+0.4	+2.3	32,972	31,572	29,650	29,178	+13.0	94,194	83,713
Dairy products	4,296	4,167	4,144	+3.1	+0.6	-2.7	4,360	4,118	3,935	4,023	+8.4	12,413	11,698
Beverages	4,211	4,202	4,255	+0.2	-1.2	+4.7	4,051	3,806	3,733	3,783	+7.1	11,590	10,651
All other foods	14,926	14,812	14,942	+0.8	-0.9	+3.0	15,851	15,261	13,984	13,872	+14.3	45,096	39,045
Tobacco products	1,983	1,819	1,878	+9.0	-3.1	-4.0	2,394	1,574	1,218	2,106	+13.7	5,186	4,557
Textile mill products	5,352	5,458	5,520	-1.9	-1.1	+2.3	5,643	5,397	4,742	5,103	+10.6	15,782	13,972
Broadwoven fabrics	3,213	3,283	3,263	-2.1	+0.6	+2.5	3,412	3,305	2,877	3,127	+9.1	9,594	8,682
Paper and allied products	10,868	10,802	10,938	+0.6	-1.2	-0.2	11,081	11,036	10,822	10,194	+8.7	32,939	30,010
Pulp, paper etc.	4,816	4,878	4,912	-1.3	-0.7	+1.1	4,925	5,042	4,904	4,524	+8.9	14,871	13,362
Paperboard containers	2,763	2,700	2,644	+2.3	+2.1	-1.3	2,793	2,708	2,560	2,418	+15.5	8,061	7,131
All other paper products	3,289	3,224	3,382	+2.0	-4.7	-1.0	3,363	3,286	3,358	3,252	+3.4	10,007	9,517
Chemicals and allied products	20,830	21,021	21,327	-0.9	-1.4	+1.0	21,977	21,483	20,853	20,721	+6.1	64,313	58,421
Industrial chemicals, except pigments	5,767	6,022	6,114	-4.2	-1.5	+0.9	6,061	6,095	5,842	5,675	+6.8	17,998	15,879
Drugs, soaps, and toiletries	6,504	6,413	6,521	+1.4	-1.7	+3.5	6,732	6,502	6,603	6,225	+8.1	19,837	18,154
Other chemical products	5,676	5,673	5,824	+0.1	-2.6	+1.1	5,829	5,942	5,532	5,502	+5.9	17,303	15,797
Petroleum and coal products	11,075	10,786	10,384	+2.7	+3.9	+1.4	10,611	10,162	10,044	9,847	+7.8	30,817	29,179
Rubber and plastics products	7,952	7,986	8,568	-0.4	-6.8	+3.0	8,092	8,200	7,885	7,668	+5.5	24,177	21,364
All other nondurable goods	17,230	17,715	17,572	-2.7	+0.8	-0.6	17,386	17,840	15,936	16,850	+3.2	51,162	48,928
Market categories:													
Home goods and apparel	14,725	14,797	15,108	-0.5	-2.1	-1.4	15,447	15,068	12,909	14,528	+6.3	43,424	40,787
Consumer staples	44,985	44,556	44,467	+1.0	+0.2	+2.2	46,084	43,922	41,211	41,450	+11.2	131,217	117,627
Equipment and defense prod. except automotive	37,886	37,153	37,178	+2.0	-0.1	-3.0	41,420	36,096	31,586	38,832	+6.7	109,102	101,859
Automotive equipment	21,247	22,154	23,343	-4.1	-5.1	-0.8	22,976	24,048	22,419	21,817	+5.3	69,443	59,956
Construction materials, supplies and intermediate products	17,283	17,400	18,390	-0.7	-5.4	+1.6	17,641	16,525	15,764	17,254	+2.2	49,930	47,301
Other materials, supplies, and intermediate products	91,943	92,293	92,999	-0.4	-0.8	+1.0	95,356	93,475	88,148	89,007	+7.1	276,979	251,669
Supplementary series:[2]													
Capital goods industries	42,534	41,858	42,060	+1.6	-0.5	-1.7	46,134	40,717	35,665	43,491	+6.1	122,516	114,461
Nondefense	34,031	33,455	33,330	+1.7	+0.4	+2.0	36,936	32,530	28,445	33,417	+10.5	97,911	88,425
Excluding aircraft and parts	29,340	29,391	29,082	-0.2	+1.1	-0.1	31,727	28,624	25,123	29,072	+9.1	85,474	77,211
Defense	8,503	8,403	8,730	+1.2	-3.7	-13.5	9,198	8,187	7,220	10,074	-8.7	24,605	26,036
Household durable goods industries	6,802	6,955	6,933	-2.2	+0.3	0.0	7,268	6,889	5,901	6,883	+5.6	20,058	18,893

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Mar. 1988	Mar. 89/88[p]	1989[p]	1988
All manufacturing industries	232,915	231,306	236,075	+0.7	-2.0	-1.2	246,248	235,462	222,407	225,993	+9.0	704,117	640,285
Manufacturing industries with unfilled orders	130,330	129,030	132,033	+1.0	-2.3	-3.0	140,366	132,225	125,249	128,019	+9.6	397,840	363,696
Durable goods industries	125,209	124,107	128,479	+0.9	-3.4	-2.8	135,569	128,116	120,986	124,082	+9.3	384,671	349,125
With unfilled orders	103,774	102,036	105,373	+1.7	-3.2	-3.4	112,850	104,949	99,521	101,981	+10.7	317,320	288,123
Stone, clay, and glass products	4,983	5,324	5,437	-6.4	-2.1	0.0	5,091	5,282	4,874	5,341	-4.7	15,247	15,295
Primary metals	12,025	12,602	13,079	-4.6	-3.6	-1.0	13,020	13,852	13,462	12,704	+2.5	40,334	36,475
Blast furnaces, steel mills	4,839	5,112	5,840	-5.3	-12.5	+9.2	4,979	5,912	6,073	5,480	-9.1	16,964	15,964
Iron and steel foundries	868	922	965	-5.9	-4.5	+0.7	895	944	1,014	923	-3.0	2,853	2,605
Nonferrous and other primary metals	6,318	6,568	6,274	-3.8	+4.7	-9.1	7,146	6,996	6,375	6,301	+13.4	20,517	17,906
Fabricated metal products	12,885	13,377	12,983	-3.7	+3.0	+0.5	13,877	13,658	11,702	12,583	+10.3	39,237	34,464
Machinery, except electrical	22,150	21,921	22,384	+1.0	-2.1	+3.1	24,196	21,940	20,157	22,276	+8.6	66,293	60,239
Engines and turbines	1,371	1,804	1,482	-24.0	+21.7	112.3	1,465	1,736	1,252	1,214	+20.7	4,453	3,360
Construction, mining and material handling equipment	3,085	2,711	2,924	+13.8	-7.3	+6.0	3,369	2,677	2,577	2,929	+15.0	8,623	7,595
Metalworking machinery	945	1,012	1,072	-6.6	-5.6	-16.4	1,096	1,071	952	1,181	-7.2	3,119	3,152
Office and computing machines	5,899	4,969	5,662	+18.7	-12.2	+0.5	6,693	4,614	4,258	6,020	+11.2	15,565	15,326
Electrical machinery	18,263	19,573	19,563	-6.7	+0.1	-1.8	19,850	20,129	18,168	20,121	-1.3	58,147	56,831
Electrical transmission and distribution equipment and industrial apparatus	2,450	2,574	2,915	-4.8	-11.7	+24.5	2,641	2,723	2,680	2,494	+5.9	8,044	6,897
Communication equipment	5,395	6,381	5,818	-15.5	+9.7	-15.5	6,231	6,564	5,341	6,543	-4.8	18,136	18,422
Electronic components	4,303	4,558	4,562	-5.6	-0.1	-1.6	4,837	4,967	4,274	5,088	-4.9	14,078	14,436
Other electrical machinery	3,654	3,312	3,585	+10.3	-7.6	+2.9	3,599	3,346	3,350	3,589	+0.3	10,295	10,065
Transportation equipment	36,744	33,381	36,133	+10.1	-7.6	-8.6	40,063	35,547	34,975	32,738	+22.4	110,585	94,048
Aircraft, missiles, and parts.	15,910	10,730	13,350	+48.3	-19.6	-5.6	17,561	10,611	12,928	10,562	+66.3	41,100	33,473
Shipbuilding and military tank vehicles	783	1,504	566	-47.9	165.7	-82.3	798	1,526	440	1,463	-45.5	2,764	3,519
Instruments and related products	6,396	6,097	6,285	+4.9	-3.0	-8.4	6,758	5,839	5,912	6,371	+6.1	18,509	17,421
Scientific and engineering instruments	4,180	4,005	4,257	+4.4	-5.9	-7.7	4,470	3,840	4,115	4,368	+2.3	12,425	12,053
All other durable goods	11,763	11,832	12,615	-0.6	-6.2	+0.6	12,714	11,869	11,736	11,948	+6.4	36,319	34,352
Nondurable goods industries	107,706	107,199	107,596	+0.5	-0.4	+0.8	110,679	107,346	101,421	101,911	+8.6	319,446	291,160
With unfilled orders	26,556	26,994	26,660	-1.6	+1.3	-1.3	27,516	27,276	25,728	26,038	+5.7	80,520	75,573
Market categories:													
Home goods and apparel	14,516	14,646	15,457	-0.9	-5.2	-0.3	15,941	15,351	14,400	14,616	+9.1	45,692	42,881
Consumer staples	44,957	44,525	44,417	+1.0	+0.2	+2.1	46,049	43,880	41,206	41,457	+11.1	131,135	117,790
Equipment and defense prod. except automotive	41,838	40,503	40,472	+3.3	+0.1	-13.0	45,352	40,268	37,006	40,010	+13.4	122,626	111,680
Automotive equipment	21,061	22,141	23,295	-4.9	-5.0	-1.4	22,701	24,242	22,468	21,831	+4.0	69,411	59,978
Construction materials, supplies and intermediate products	17,140	17,180	18,163	-0.2	-5.4	+0.4	17,584	16,623	15,751	17,719	-0.8	49,958	48,460
Other materials, supplies, and intermediate products	93,403	92,311	94,271	+1.2	-2.1	+2.9	98,621	95,098	91,576	90,360	+9.1	285,295	259,496
Supplementary series:													
Capital goods industries	48,597	45,348	47,167	+7.2	-3.9	-5.4	52,962	45,360	43,381	44,529	+18.9	141,703	126,735
Nondefense	38,089	37,189	40,352	+2.4	-7.8	+2.3	40,655	37,048	36,298	34,402	+18.2	114,001	98,339
Excluding aircraft and parts	30,031	29,761	30,550	+0.9	-2.6	+6.0	32,079	29,778	27,422	29,549	+8.6	89,279	80,977
Defense	10,508	8,159	6,815	+28.8	+19.7	-34.5	12,307	8,312	7,083	10,127	+21.5	27,702	28,396
Household durable goods industries	6,597	6,813	7,206	-3.2	-5.5	+0.7	7,682	7,051	7,093	6,981	+10.0	21,826	20,492

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Mar. 1988	Mar. 89/88[p]
All manufacturing industries	481,249	476,403	473,450	+1.0	+0.6	+1.0	487,956	480,632	474,304	437,084	+11.6
Durable goods industries	460,795	455,952	452,769	+1.1	+0.7	+1.1	467,103	460,302	454,056	416,412	+12.2
Stone, clay, and glass products	5,568	5,702	5,734	-2.4	-0.6	-2.4	5,740	5,855	5,637	5,616	+2.2
Primary metals	25,633	25,996	25,947	-1.4	+0.2	+0.8	27,325	27,372	26,425	26,111	+4.6
Blast furnaces, steel mills	11,261	11,553	11,521	-2.5	+0.3	+5.7	12,015	12,444	11,730	12,355	-2.8
Iron and steel foundries	2,368	2,337	2,305	+1.3	+1.4	+2.8	2,406	2,384	2,355	2,105	+14.3
Nonferrous and other primary metals	12,004	12,106	12,121	-0.8	-0.1	-3.7	12,904	12,544	12,340	11,651	+10.8
Fabricated metal products	28,263	28,524	28,191	-0.9	+1.2	-0.8	28,443	28,571	28,123	29,751	-4.4
Machinery, except electrical	61,091	60,838	60,856	+0.4	0.0	+1.5	61,428	61,343	60,824	54,761	+12.2
Engines and turbines	4,875	4,910	4,590	-0.7	+7.0	+2.4	4,805	4,946	4,673	4,917	-2.3
Construction, mining and material handling equipment	8,914	8,589	8,560	+3.8	+0.3	+2.6	9,181	8,738	8,678	7,526	+22.0
Metalworking machinery	4,902	4,966	4,961	-1.3	+0.1	+2.2	4,740	4,801	4,737	3,217	+47.3
Office and computing machines	13,209	13,150	13,536	+0.4	-2.9	+0.5	12,918	13,069	13,172	13,550	-4.7
Electrical machinery	92,398	93,615	93,267	-1.3	+0.4	-0.2	93,037	93,967	92,916	94,645	-1.7
Electrical transmission and distribution equipment and industrial apparatus	7,284	7,301	7,275	-0.2	+0.4	+5.4	7,329	7,368	7,257	6,633	+10.5
Communication equipment	64,996	65,853	65,358	-1.3	+0.8	-0.9	65,647	66,390	65,557	66,911	-1.9
Electronic components	14,051	14,469	14,603	-2.9	-0.9	-1.6	14,149	14,363	14,191	15,696	-9.9
Other electrical machinery	4,880	4,656	4,837	+4.8	-3.7	+1.9	4,773	4,607	4,740	4,344	+9.9
Transportation equipment	225,632	219,102	216,419	+3.0	+1.2	+2.0	228,614	221,322	218,252	183,949	+24.3
Aircraft, missiles, and parts.	187,804	181,110	179,176	+3.7	+1.1	+2.5	190,590	183,061	180,966	153,372	+24.3
Shipbuilding and military tank vehicles	26,329	26,500	25,945	-0.6	+2.1	-1.3	26,335	26,490	25,916	19,841	+32.7
Instruments and related products	14,574	14,510	14,672	+0.4	-1.1	-0.8	14,536	14,483	14,782	13,800	+5.3
Scientific and engineering instruments	13,486	13,474	13,628	+0.1	-1.1	0.0	13,473	13,475	13,776	12,842	+4.9
All other durable goods	7,636	7,665	7,683	-0.4	-0.2	+2.7	7,980	7,389	7,097	7,779	+2.6
Nondurable goods industries	20,454	20,451	20,681	0.0	-1.1	-1.5	20,853	20,330	20,248	20,672	+.9
Market categories:											
Home goods and apparel	8,376	8,585	8,736	-2.4	-1.7	+4.2	8,843	8,349	8,066	9,172	-3.6
Consumer staples	727	755	786	-3.7	-3.9	-6.0	762	797	839	831	-8.3
Equipment and defense prod. except automotive	297,327	293,375	290,025	+1.3	+1.2	+1.1	300,221	296,289	292,117	262,013	+14.6
Automotive equipment	8,641	8,827	8,840	-2.1	-0.1	-0.5	8,831	9,106	8,912	9,225	-4.3
Construction materials, supplies and intermediate products	14,951	15,094	15,314	-0.9	-1.4	-1.5	15,169	15,226	15,128	15,754	-3.7
Other materials, supplies, and intermediate products	151,227	149,767	149,749	+1.0	0.0	+0.9	154,130	150,865	149,242	140,089	+10.0
Supplementary series:											
Capital goods industries	359,697	353,634	350,144	+1.7	+1.0	+1.5	363,430	356,602	351,959	313,256	+16.0
Nondefense	194,454	190,396	186,662	+2.1	+2.0	+3.9	194,863	191,144	186,626	148,774	+31.0
Excluding aircraft and parts	90,136	89,445	89,075	+0.8	+0.4	+1.7	90,545	90,193	89,039	81,478	+11.1
Defense	165,243	163,238	163,482	+1.2	-0.1	-1.2	168,567	165,458	165,333	164,482	+2.5
Household durable goods industries	6,048	6,253	6,395	-3.3	-2.2	+4.5	6,497	6,083	5,921	6,546	-.7

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1989p	Feb. 1989r	Jan. 1989	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.	Mar. 1989p	Feb. 1989r	Jan. 1989	Mar. 1988	Mar. 89/88p
All manufacturing industries	360,914	359,056	357,458	+0.5	+0.4	+0.9	361,848	360,741	356,430	337,392	+7.2
Manufacturing industries with unfilled orders	251,611	250,630	249,272	+0.4	+0.5	+1.3	251,716	250,513	246,628	232,021	+8.5
Durable goods industries	239,142	238,165	236,810	+0.4	+0.6	+1.3	239,866	238,967	235,168	221,136	+8.5
With unfilled orders	221,157	220,103	218,545	+0.5	+0.7	+1.4	221,103	219,992	216,391	202,991	+8.9
Stone, clay, and glass products	7,622	7,609	7,561	+0.2	+0.6	+0.7	7,804	7,738	7,515	7,361	+6.0
Primary metals	20,849	20,785	20,589	+0.3	+1.0	+1.5	20,728	20,813	20,675	18,693	+10.9
Blast furnaces, steel mills	10,495	10,353	10,222	+1.4	+1.3	+1.0	10,201	10,217	10,204	8,748	+16.6
Iron and steel foundries	1,393	1,385	1,391	+0.6	-0.4	+4.8	1,467	1,429	1,385	1,362	+7.7
Nonferrous and other primary metals	8,961	9,047	8,976	-1.0	+0.8	+1.6	9,060	9,167	9,086	8,583	+5.6
Fabricated metal products	23,924	23,771	23,776	+0.6	0.0	+1.0	24,174	23,818	23,765	23,096	+4.7
Machinery, except electrical	47,566	47,532	47,407	+0.1	+0.3	+1.5	47,722	47,904	47,150	43,046	+10.9
Engines and turbines	3,058	3,067	3,081	-0.3	-0.5	+3.2	3,020	3,033	2,953	2,719	+11.1
Construction, mining and material handling equipment	7,567	7,738	7,706	-2.2	+0.4	+0.9	7,650	7,833	7,699	6,961	+9.9
Metalworking machinery	3,119	3,103	2,936	+0.5	+5.7	-3.4	3,116	3,127	2,902	2,653	+17.5
Office and computing machines	12,170	12,292	12,371	-1.0	-0.6	+2.0	12,000	12,287	12,143	10,835	+10.8
Electrical machinery	41,337	41,371	41,090	-0.1	+0.7	+1.0	41,175	41,115	40,422	39,367	+4.6
Electrical transmission and distribution equipment and industrial apparatus	5,171	5,163	5,178	+0.2	-0.3	-0.6	5,196	5,160	5,136	4,991	+4.1
Household appliances	2,917	2,947	3,000	-1.0	-1.8	+3.4	3,039	3,011	2,948	2,931	+3.7
Radio and TV	1,667	1,618	1,541	+3.0	+5.0	+2.3	1,584	1,543	1,442	1,278	+23.9
Communication equipment	16,267	16,248	16,083	+0.1	+1.0	+0.8	16,080	16,133	15,838	16,164	-.5
Electronic components	8,937	8,894	8,799	+0.5	+1.1	+0.6	8,892	8,859	8,747	8,002	+11.1
Other electrical machinery	6,378	6,501	6,489	-1.9	+0.2	+2.1	6,384	6,409	6,311	6,001	+6.4
Transportation equipment	66,002	65,368	64,660	+1.0	+1.1	+2.3	66,189	65,505	63,886	58,831	+12.5
Motor vehicles and parts	12,137	12,246	12,282	-0.9	-0.3	+3.7	12,306	12,693	12,623	11,636	+5.8
Aircraft, missiles, and parts.	49,610	48,747	48,148	+1.8	+1.2	+1.5	49,600	48,416	47,103	43,234	+14.7
Shipbuilding and military tank vehicles	2,155	2,338	2,228	-7.8	+4.9	+13.6	2,135	2,276	2,146	1,980	+7.8
Instruments and related products	14,358	14,218	14,125	+1.0	+0.7	+0.6	14,267	14,155	13,935	12,754	+11.9
Scientific and engineering instruments	10,570	10,494	10,432	+0.7	+0.6	+1.3	10,528	10,446	10,304	9,455	+11.3
Photographic goods	3,155	3,100	3,074	+1.8	+0.8	-1.3	3,114	3,096	3,027	2,701	+15.3
All other durable goods	17,484	17,511	17,602	-0.2	-0.5	-0.3	17,807	17,919	17,820	17,988	-1.0
Nondurable goods industries	121,772	120,891	120,648	+0.7	+0.2	+0.1	121,982	121,774	121,262	116,256	+4.9
With unfilled orders	30,454	30,527	30,727	-0.2	-0.7	+0.5	30,613	30,521	30,237	29,030	+5.5
Food and kindred products	26,292	26,245	26,266	+0.2	-0.1	-0.4	25,720	26,423	26,872	24,452	+5.2
Dairy products	2,486	2,510	2,481	-1.0	+1.2	+2.4	2,451	2,486	2,447	2,197	+11.6
Beverages	4,389	4,324	4,295	+1.5	+0.7	-4.2	4,446	4,381	4,349	4,432	+.3
All other foods	14,697	14,763	14,795	-0.4	-0.2	-0.2	14,050	14,721	15,072	13,798	+1.8
Tobacco products	5,363	5,432	5,349	-1.3	+1.6	-4.6	5,545	5,763	5,754	5,849	-5.2
Textile mill products	7,510	7,606	7,636	-1.3	-0.4	+0.4	7,618	7,669	7,569	7,610	+.1
Broadwoven fabrics	4,342	4,397	4,448	-1.3	-1.1	+1.3	4,416	4,449	4,437	4,461	-1.0
Paper and allied products	11,872	11,941	12,093	-0.6	-1.3	+0.2	12,041	12,053	12,044	11,479	+4.9
Pulp, paper etc.	4,547	4,473	4,478	+1.7	-0.1	+3.5	4,646	4,585	4,548	4,006	+16.0
Paperboard containers	2,969	3,038	3,149	-2.3	-3.5	-2.7	3,043	3,070	3,122	3,176	-4.2
All other paper products	4,356	4,430	4,466	-1.7	-0.8	-0.8	4,352	4,398	4,374	4,297	+1.3
Chemicals and allied products	28,547	27,880	27,601	+2.4	+1.0	+0.3	28,895	28,353	27,830	26,093	+10.7
Industrial chemicals, except pigments	7,947	7,632	7,441	+4.1	+2.6	+1.5	7,995	7,782	7,495	6,835	+17.0
Drugs, soaps, and toiletries	9,446	9,321	9,398	+1.3	-0.8	-1.5	9,465	9,308	9,259	9,214	+2.7
Other chemical products	7,058	6,980	6,933	+1.1	+0.7	+0.8	7,164	7,130	7,145	6,354	+12.7
Petroleum and coal products	9,822	9,578	9,376	+2.5	+2.2	+5.6	9,583	9,497	9,354	9,688	-1.1
Rubber and plastics products	10,564	10,405	10,418	+1.5	-0.1	+0.9	10,896	10,590	10,459	9,651	+12.9
All other nondurable goods	21,802	21,804	21,909	0.0	-0.5	-1.0	21,684	21,426	21,380	21,434	+1.2
Market categories:											
Home goods and apparel	26,029	26,058	26,177	-0.1	-0.5	-0.5	26,040	25,928	25,897	26,626	-2.2
Consumer staples	44,432	44,279	44,206	+0.3	+0.2	-1.5	44,176	44,675	44,678	42,792	+3.2
Equipment and defense prod. except automotive	108,149	107,523	106,390	+0.6	+1.1	+1.0	108,223	107,709	105,244	98,221	+10.2
Automotive equipment	14,972	15,045	15,002	-0.5	+0.3	+2.7	15,284	15,642	15,343	14,372	+6.3
Construction materials, supplies and intermediate products	25,018	25,059	25,201	-0.2	-0.6	-0.2	25,578	25,483	25,322	25,150	+1.7
Other materials, supplies, and intermediate products	142,314	141,092	140,482	+0.9	+0.4	+1.9	142,547	141,304	139,946	130,231	+9.5
Supplementary series:[2]											
Capital goods industries	124,646	124,034	122,944	+0.5	+0.9	+1.6	124,447	123,632	120,907	112,768	+10.4
Nondefense	88,178	88,241	87,167	-0.1	+1.2	+1.7	87,982	88,335	86,092	78,887	+11.5
Excluding aircraft and parts	65,346	65,634	65,241	-0.4	+0.6	+1.5	65,304	65,670	64,439	59,757	+9.3
Defense	36,468	35,793	35,777	+1.9	0.0	+1.1	36,465	35,297	34,815	33,881	+7.6
Household durable goods industries	13,023	12,927	12,952	+0.7	-0.2	+1.3	13,040	12,961	12,801	12,795	+1.9

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Mar. 1988	Mar. 89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,910	113,752	113,236	+0.1	+0.5	+0.6	113,866	114,356	114,125	108,014	+5.4
Durable goods industries	67,194	66,852	66,273	+0.5	+0.9	+1.6	66,745	66,848	66,413	62,141	+7.4
Stone, clay, and glass products	2,527	2,512	2,484	+0.6	+1.1	+1.1	2,524	2,519	2,466	2,344	+7.7
Primary metals	6,462	6,421	6,311	+0.6	+1.7	+0.5	6,216	6,361	6,477	5,702	+9.0
Fabricated metal products	8,954	8,825	8,768	+1.5	+0.7	+3.2	8,926	8,800	8,828	8,243	+8.3
Machinery, except electrical	13,219	13,172	13,114	+0.4	+0.4	+3.6	13,096	13,187	13,123	12,117	+8.1
Electrical machinery	11,322	11,336	11,284	-0.1	+0.5	+1.0	11,303	11,255	11,147	10,377	+8.9
Transportation equipment	13,072	12,891	12,655	+1.4	+1.9	+0.3	13,116	12,958	12,599	12,350	+6.2
Instruments and related products	4,822	4,852	4,847	-0.6	+0.1	+1.8	4,775	4,835	4,795	4,215	+13.3
Lumber, furniture and miscellaneous durable goods	6,816	6,843	6,810	-0.4	+0.5	-0.1	6,789	6,933	6,978	6,793	-.1
Nondurable goods industries	46,716	46,900	46,963	-0.4	-0.1	-0.7	47,121	47,508	47,712	45,873	+2.7
Food and kindred products	9,029	9,014	9,116	+0.2	-1.1	0.0	9,040	9,176	9,538	9,004	+.4
Tobacco products	4,038	4,098	4,015	-1.5	+2.1	-7.4	4,223	4,340	4,405	4,608	-8.4
Textile mill products	2,180	2,228	2,246	-2.2	-0.8	-3.9	2,236	2,270	2,216	2,370	-5.7
Paper and allied products	6,418	6,493	6,639	-1.2	-2.2	+0.5	6,520	6,572	6,607	6,187	+5.4
Chemicals and allied products	10,111	10,044	9,920	+0.7	+1.3	+0.1	10,132	10,116	9,913	9,159	+10.6
Petroleum and coal products	2,278	2,225	2,218	+2.4	+0.3	+4.3	2,273	2,267	2,210	2,540	-10.5
Rubber and plastics products	4,162	4,199	4,198	-0.9	0.0	+1.5	4,189	4,210	4,260	3,685	+13.7
Apparel, printing and publishing and leather goods	8,500	8,599	8,611	-1.2	-0.1	-1.2	8,508	8,557	8,563	8,320	+2.3
WORK IN PROCESS											
All manufacturing industries	131,425	129,640	128,841	+1.4	+0.6	+0.9	131,938	129,596	127,199	120,907	+9.1
Durable goods industries	111,395	110,118	109,309	+1.2	+0.7	+0.8	111,830	110,062	107,750	102,015	+9.6
Stone, clay, and glass products	1,137	1,128	1,104	+0.8	+2.2	-0.6	1,183	1,160	1,118	1,161	+1.9
Primary metals	8,630	8,513	8,449	+1.4	+0.8	+1.7	8,750	8,527	8,443	7,534	+16.1
Fabricated metal products	8,247	8,271	8,333	-0.3	-0.7	-1.5	8,378	8,289	8,190	8,170	+2.5
Machinery, except electrical	18,842	18,655	18,528	+1.0	+0.7	+0.9	19,063	18,695	18,188	17,339	+9.9
Electrical machinery	20,228	20,111	19,855	+0.6	+1.3	+1.0	20,013	20,007	19,594	19,611	+2.0
Transportation equipment	45,254	44,372	43,946	+2.0	+1.0	+1.2	45,317	44,294	43,224	39,440	+14.9
Instruments and related products	5,458	5,402	5,353	+1.0	+0.9	-1.2	5,454	5,334	5,241	5,012	+8.8
Lumber, furniture and miscellaneous durable goods	3,599	3,666	3,741	-1.8	-2.0	+2.7	3,672	3,756	3,752	3,748	-2.0
Nondurable goods industries	20,030	19,522	19,532	+2.6	-0.1	+1.2	20,108	19,534	19,449	18,892	+6.4
Food and kindred products	2,713	2,675	2,680	+1.4	-0.2	-0.9	2,752	2,691	2,745	2,559	+7.5
Tobacco products	293	278	320	+5.4	-13.1	+53.8	247	284	317	167	+47.9
Textile mill products	2,385	2,361	2,320	+1.0	+1.8	-0.6	2,415	2,384	2,345	2,274	+6.2
Paper and allied products	1,338	1,297	1,330	+3.2	-2.5	+0.9	1,324	1,267	1,309	1,258	+5.2
Chemicals and allied products	4,461	4,393	4,392	+1.5	0.0	-0.2	4,466	4,376	4,345	4,135	+8.0
Petroleum and coal products	2,744	2,598	2,567	+5.6	+1.2	+7.4	2,671	2,538	2,537	2,485	+7.5
Rubber and plastics products	1,468	1,390	1,415	+5.6	-1.8	-0.1	1,483	1,410	1,453	1,378	+7.6
Apparel, printing and publishing and leather goods	4,628	4,530	4,508	+2.2	+0.5	-0.3	4,750	4,584	4,398	4,636	+2.5
FINISHED GOODS											
All manufacturing industries	115,579	115,664	115,381	-0.1	+0.2	+1.3	116,044	116,789	115,106	108,471	+7.0
Durable goods industries	60,553	61,195	61,228	-1.0	-0.1	+2.0	61,291	62,057	61,005	56,980	+7.6
Stone, clay, and glass products	3,958	3,969	3,973	-0.3	-0.1	+0.9	4,097	4,059	3,931	3,856	+6.3
Primary metals	5,757	5,851	5,829	-1.6	+0.4	+2.4	5,762	5,925	5,755	5,457	+5.6
Fabricated metal products	6,723	6,675	6,675	+0.7	0.0	+1.3	6,870	6,729	6,747	6,683	+2.8
Machinery, except electrical	15,505	15,705	15,765	-1.3	-0.4	+0.3	15,563	16,022	15,839	13,590	+14.5
Electrical machinery	9,787	9,924	9,951	-1.4	-0.3	+1.0	9,859	9,853	9,681	9,379	+5.1
Transportation equipment	7,676	8,105	8,059	-5.3	+0.6	+12.3	7,756	8,253	8,063	7,041	+10.2
Instruments and related products	4,078	3,964	3,925	+2.9	+1.0	+1.6	4,038	3,986	3,899	3,527	+14.5
Lumber, furniture and miscellaneous durable goods	7,069	7,002	7,051	+1.0	-0.7	-1.9	7,346	7,230	7,090	7,447	-1.4
Nondurable goods industries	55,026	54,469	54,153	+1.0	+0.6	+0.4	54,753	54,732	54,101	51,491	+6.3
Food and kindred products	14,550	14,556	14,470	0.0	+0.6	-0.5	13,928	14,556	14,589	12,889	+8.1
Tobacco products	1,032	1,056	1,014	-2.3	+4.1	-4.8	1,075	1,139	1,032	1,074	+.1
Textile mill products	2,945	3,017	3,070	-2.4	-1.7	+4.7	2,967	3,015	3,008	2,966	.0
Paper and allied products	4,116	4,151	4,124	-0.8	+0.7	-0.3	4,197	4,214	4,128	4,034	+4.0
Chemicals and allied products	13,975	13,443	13,289	+4.0	+1.2	+0.7	14,297	13,861	13,572	12,799	+11.7
Petroleum and coal products	4,800	4,755	4,591	+0.9	+3.6	+5.2	4,639	4,692	4,607	4,663	-.5
Rubber and plastics products	4,934	4,816	4,805	+2.5	+0.2	+0.6	5,224	4,970	4,746	4,588	+13.9
Apparel, printing and publishing and leather goods	8,674	8,675	8,790	0.0	-1.3	-1.2	8,426	8,285	8,419	8,478	-.6

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Dec. 1988	Mar. 1989[p]	Feb. 1989[r]	Jan. 1989	Dec. 1988
All manufacturing industries	1.58	1.57	1.54	1.53	3.84	3.78	3.71	3.66
Durable goods industries	1.99	1.97	1.92	1.88	4.66	4.61	4.51	4.43
Stone, clay, and glass products	1.49	1.42	1.36	1.35	1.19	1.15	1.12	1.15
Primary metals	1.68	1.66	1.60	1.58	2.07	2.07	2.02	2.00
Fabricated metal products	1.82	1.82	1.80	1.83	2.38	2.41	2.36	2.41
Machinery, except electrical	2.17	2.17	2.21	2.16	2.95	2.94	2.97	2.93
Electrical machinery	2.12	2.15	2.08	2.04	4.74	4.87	4.71	4.69
Transportation equipment	2.18	2.13	2.03	1.94	13.05	12.76	12.33	11.66
Instruments and related products	2.27	2.27	2.21	2.21	2.30	2.32	2.29	2.33
Nondurable goods industries	1.13	1.13	1.12	1.13	0.77	0.75	0.77	0.78
Food and kindred products	0.81	0.82	0.83	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.70	2.99	2.85	2.87	(X)	(X)	(X)	(X)
Textile mill products	1.40	1.39	1.38	1.41	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.09	1.11	1.11	1.10	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.33	1.29	1.30	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.89	0.90	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.33	1.30	1.22	1.24	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

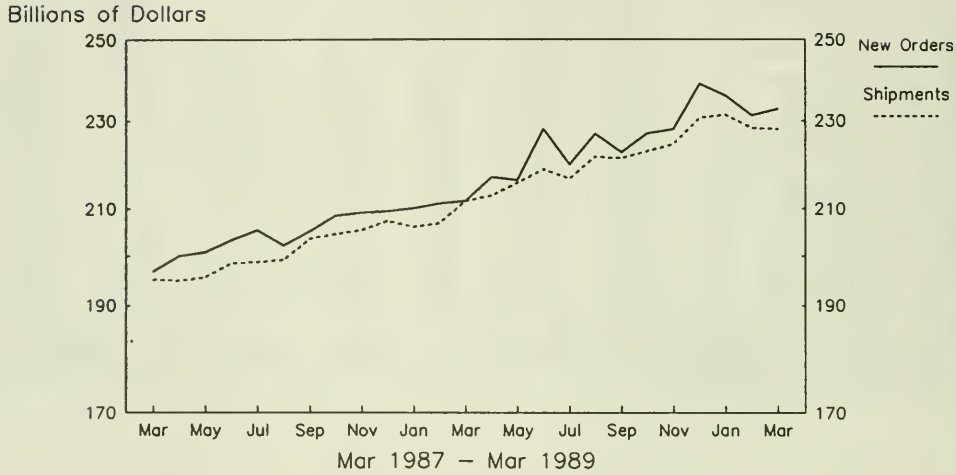
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar. 1988	Mar.[1] 1984-1988	Mar. 1988-Feb. 1989	Mar. 1988	Mar.[1] 1984-1988	Mar. 1988-Feb. 1989	Mar. 1988	Mar.[1] 1984-1988	Mar. 1988-Feb. 1989	Mar. 1988	Mar.[1] 1984-1988	Mar. 1988-Feb. 1989
All manufacturing industries	0.1	0.1	0.2	0.0	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1
Durable goods industries	0.1	0.1	0.1	0.1	0.4	0.4	0.1	0.1	0.1	0.0	0.1	0.1
Stone, clay, and glass products	0.8	0.6	0.5	0.7	0.8	0.5	0.1	0.4	0.4	0.3	0.2	0.2
Primary metals	0.5	0.3	0.4	0.5	0.6	0.8	0.0	0.6	0.2	0.3	0.2	0.3
Fabricated metal products	0.3	0.6	0.4	0.2	0.7	0.8	0.1	0.3	0.2	0.2	0.2	0.1
Machinery, except electrical	0.0	0.2	0.5	0.4	1.2	1.4	0.1	0.3	0.4	0.1	0.2	0.1
Electrical machinery	0.3	0.3	0.4	0.0	0.4	0.5	0.1	0.2	0.1	0.0	0.1	0.1
Transportation equipment	0.0	0.2	0.2	0.2	0.3	0.5	0.1	0.0	0.1	0.0	0.1	0.1
Instruments and related products	1.0	1.1	0.7	1.1	1.0	1.6	0.1	0.5	0.5	0.1	0.2	0.2
Nondurable goods industries	0.1	0.2	0.3	0.1	0.2	0.3	0.7	0.3	0.6	0.2	0.2	0.1
Food and kindred products	0.2	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.3
Tobacco products	0.0	0.6	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
Textile mill products	0.8	1.2	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.2	0.3
Paper and allied products	1.0	0.4	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.1	0.2
Chemicals and allied products	1.1	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.2
Petroleum and coal products	1.5	0.8	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7	0.5
Rubber and plastics products	0.7	1.1	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.4
Capital goods industries:												
Nondefense	0.1	0.5	0.4	0.1	0.8	0.9	0.0	0.1	0.1	0.1	0.1	0.1
Defense	0.1	0.4	0.6	0.3	2.8	1.6	0.0	0.0	0.0	0.0	0.3	0.1

(X) Not applicable. (NA) Not available.

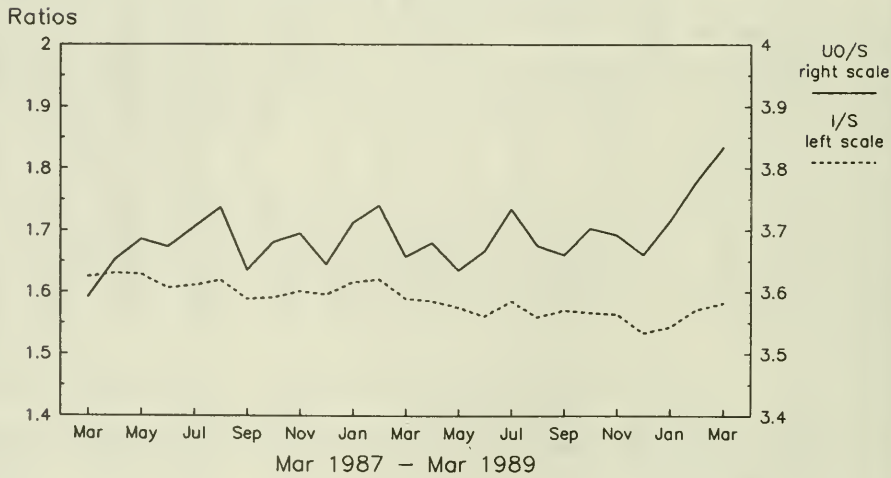
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments

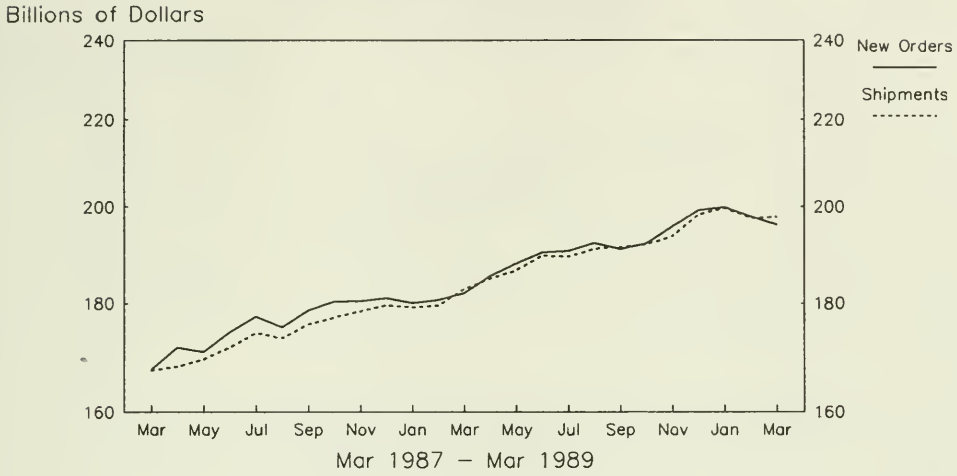


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

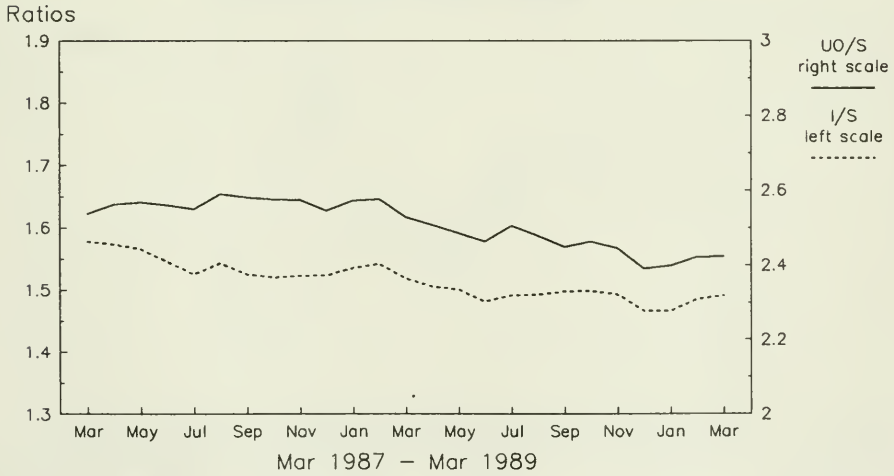


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Transportation
New Orders and Shipments

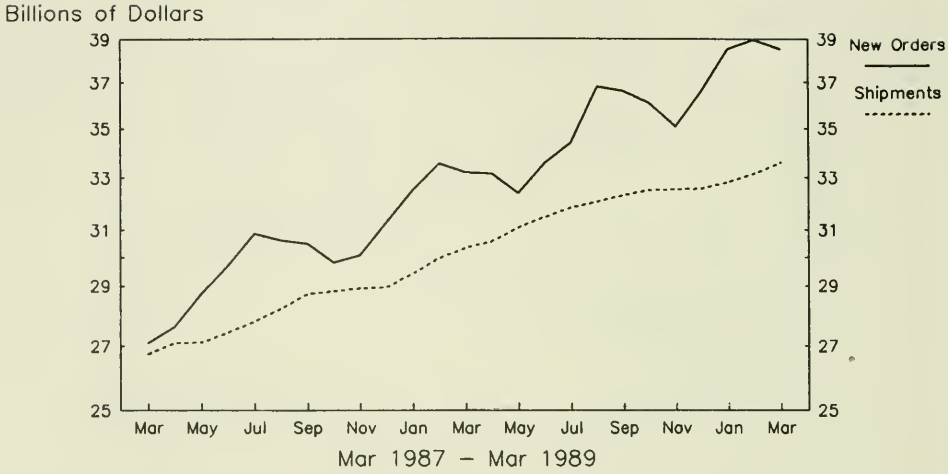


Total Manufacturing Excluding Transportation
Ratios of Unfilled Orders and Inventories to Shipments

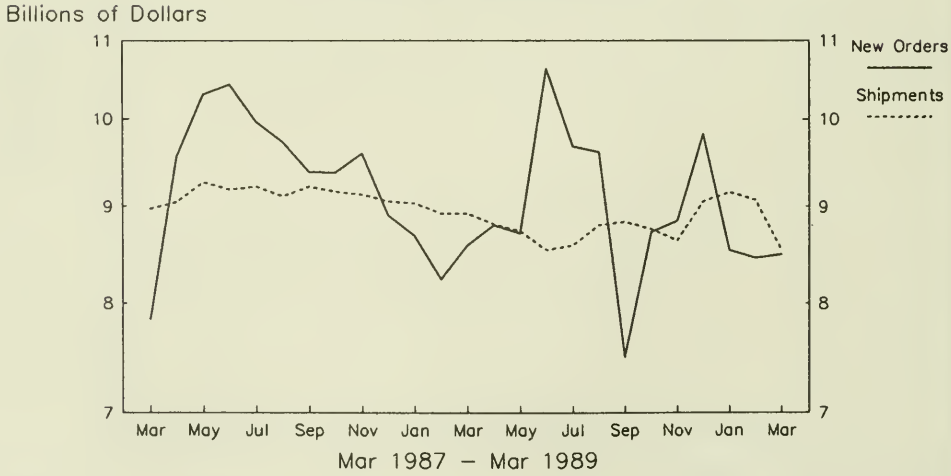


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



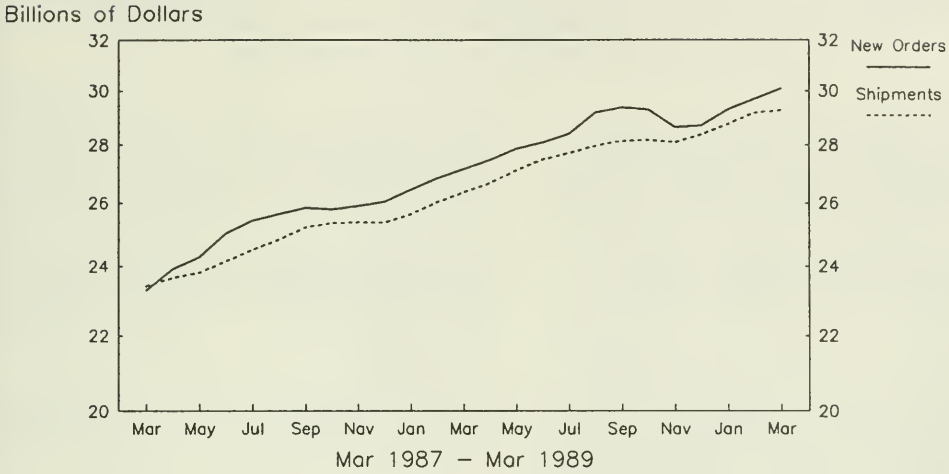
Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

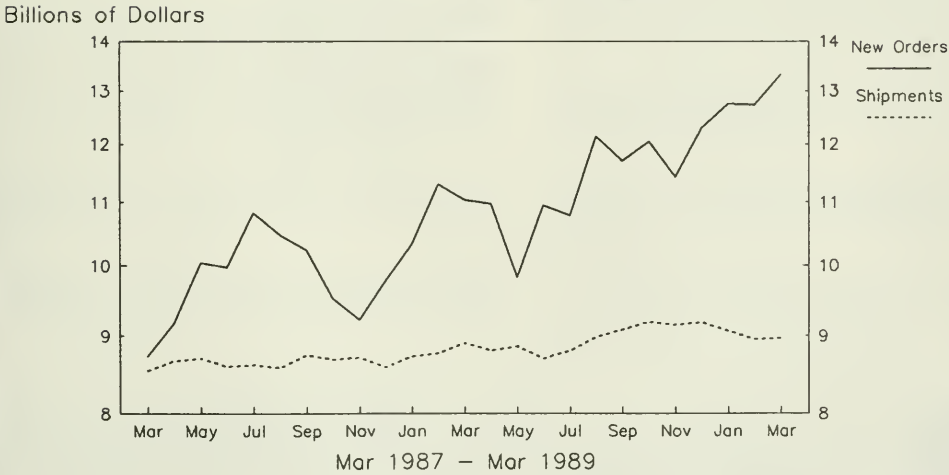
Nondefense Excluding Aircraft and Parts

New Orders and Shipments
Three Month Moving Averages



Aircraft, Missiles and Parts

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

3.158:
M3-1(89)-4
SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JUL 10 1989
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPT.

Manufacturers' Shipments, Inventories, and Orders

April 1989
M3-1-(89)-4
U. S. Department of Commerce
BUREAU OF THE CENSUS
For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, May 31, 1989

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in April increased $6.3 billion or 2.7 percent from March to $239.4 billion, the Department of Commerce, Bureau of the Census reported today. The increase followed a 0.7 percent increase in March and declines in January and February of 1.2 percent and 2.0 percent respectively.

Shipments of manufactured goods in April increased $5.4 billion or 2.4 percent to $233.4 billion. This is the first increase in shipments since the 0.3 percent increase in January.

Unfilled orders for manufactured goods in April were up $5.9 billion or 1.2 percent to $487.3 billion. This is 27.0 percent above the February 1987 level of $383.6 billion, the beginning of a twenty-six month upward trend.

Manufacturers' inventories in April increased $2.2 billion or 0.6 percent to $363.3 billion. This is 14.5 percent above the February 1987 level of $317.3 billion, also the beginning of a twenty-six month upward trend. The inventory to shipments ratio in April was 1.56; in February 1987 it was 1.63.

New Orders

Both the durable and nondurable goods sectors increased in April. Durables were up $3.8 billion or 3.0 percent to $129. 2 billion, with all major industries except fabricated metals increasing. The largest gains were in electrical machinery, up $1.7 billion or 9.3 percent to $20.0 billion; primary metals, up $0.7 billion or 6.0 percent to $12.6 billion; and transportation equipment, up $0.5 billion or 1.4 percent to $37.6 billion.

Nondurable goods increased $2.6 billion or 2.4 percent to $110.2 billion; nearly half the increase was in the petroleum refining industry.

Shipments

Shipments of durable goods in April were up $2.5 billion or 2.1 percent to $122.9 billion, following three consecutive declines.

Transportation equipment increased $1.2 billion or 3.8 percent to $31.5 billion; an increase in motor vehicles and parts of 6.2 percent followed three consecutive monthly declines. Electrical machinery increased in April $0.7 billion or 3.6 percent to $20.3 billion and primary metals $0.1 billion or 1.0 percent to $12.5 billion.

Nondurables increased in April $2.9 billion or 2.7 percent to $110.5 billion. Petroleum products were up $1.1 billion or 10.2 percent to $12.2 billion.

Unfilled Orders

Unfilled orders in April increased $5.9 billion or 1.2 percent to $487.3 billion. Most of the increase was in transportation equipment, up $6.1 billion or 2.7 percent to $232.0 billion; an increase in aircraft and parts was partially offset by declines in other transportation categories. Nonelectrical machinery increased $0.5 billion or 0.9 percent to $61.7 billion and primary metals increased $0.1 billion or 0.4 percent to $25.6 billion. Electrical machinery declined $0.3 billion or 0.3 percent to $92.1 billion.

Inventories

Inventories of durable goods in April increased $1.1 billion or 0.5 percent to $240.4 billion; over half of the increase was in transportation equipment, up $0.6 billion or 1.0 percent to $66.6 billion, mostly for aircraft and parts. Electrical machinery was up $0.2 billion or 0.6 percent and primary metals, $0.1 billion or 0.6 percent.

Nondurable goods increased $1.1 billion or 0.9 percent to $122.9 billion; petroleum products were up $0.5 billion or 5.0 percent to $10.4 billion.

The increase in inventories were for work in process inventories, up 1.8 percent and finished goods 0.5 percent. Materials and supplies declined 0.6 percent.

Scheduled Release Dates

The advance report on durable goods for May 1989 is scheduled for June 23, 1989 at 8:30 a.m. and the full report on June 30, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Apr. 1988	Apr. 89/88[p]	1989[p]	1988
All manufacturing industries	233,421	228,048	228,353	+2.4	-0.1	-1.4	234,726	238,698	229,134	213,670	+9.9	914,595	832,869
Manufacturing industries with unfilled orders	128,409	125,698	126,077	+2.2	-0.3	-1.1	127,964	133,044	125,897	117,077	+9.3	501,784	459,687
Durable goods industries	122,940	120,432	120,924	+2.1	-0.4	-2.1	124,922	128,704	121,870	114,059	+9.5	486,383	443,335
With unfilled orders	100,922	99,015	98,853	+1.9	+0.2	-1.6	100,698	105,984	98,703	91,547	+10.0	394,807	359,821
Stone, clay, and glass products	5,341	5,150	5,356	+3.7	-3.8	-3.9	5,590	5,221	5,064	5,445	+2.7	20,724	20,201
Primary metals	12,500	12,377	12,553	+1.0	-1.4	-2.5	12,946	13,075	12,905	11,772	+10.0	51,107	45,314
Blast furnaces, steel mills	5,125	5,103	5,080	+0.4	+0.5	-2.7	5,392	5,365	5,198	5,303	+1.7	21,023	20,337
Iron and steel foundries	910	831	890	+9.5	-6.6	-1.4	940	876	915	869	+8.2	3,570	3,300
Nonferrous and other primary metals	6,465	6,443	6,583	+0.3	-2.1	-2.4	6,614	6,834	6,792	5,600	+18.1	26,514	21,677
Fabricated metal products	13,177	13,135	13,044	+0.3	+0.7	-1.2	13,494	14,012	13,210	11,951	+12.9	52,487	46,313
Machinery, except electrical	21,975	21,948	21,939	+0.1	0.0	+2.1	21,905	24,125	21,421	19,929	+9.9	86,063	77,398
Engines and turbines	1,234	1,399	1,484	-11.8	-5.7	+7.8	1,258	1,606	1,463	1,285	-2.1	5,508	5,050
Construction, mining and material handling equipment	2,696	2,738	2,682	-1.5	+2.1	-0.9	2,847	2,903	2,617	2,627	+8.4	10,789	9,749
Metalworking machinery	1,029	1,015	1,007	+1.4	+0.8	+4.5	938	1,160	1,007	806	+16.4	3,902	3,477
Office and computing machines	5,932	5,888	5,355	+0.7	+10.0	-4.3	4,799	6,859	4,717	4,573	+4.9	20,531	19,865
Electrical machinery	20,251	19,541	19,225	+3.6	+1.6	-2.9	19,515	20,808	19,078	17,760	+9.9	77,043	72,090
Electrical transmission and distribution equipment and industrial apparatus	2,633	2,458	2,548	+7.1	-3.5	+0.3	2,574	2,670	2,612	2,192	+17.4	10,127	8,842
Household appliances	1,704	1,672	1,636	+1.9	+2.2	+3.5	1,672	1,718	1,570	1,451	+15.2	6,394	5,782
Radio and TV	1,024	996	970	+2.8	+2.7	+1.0	837	988	891	707	+18.4	3,571	3,265
Communication equipment	6,549	6,267	5,886	+4.5	+6.5	-8.2	6,213	6,982	5,731	5,775	+7.6	24,246	23,648
Electronic components	4,802	4,753	4,692	+1.0	+1.3	-2.4	4,903	5,087	4,795	4,562	+7.5	19,273	17,645
Other electrical machinery	3,539	3,395	3,493	+4.2	-2.8	-0.1	3,316	3,363	3,479	3,073	+7.9	13,432	12,908
Transportation equipment	31,464	30,298	30,698	+3.8	-1.3	-3.6	32,873	32,811	32,477	29,219	+12.5	127,351	114,027
Motor vehicles and parts	20,107	18,941	19,700	+6.2	-3.9	-5.5	21,732	20,518	21,778	18,686	+16.3	84,186	72,084
Aircraft, missiles, and parts.	9,097	9,209	8,796	-1.2	+4.7	-1.1	8,740	10,025	8,516	8,319	+5.1	34,375	33,826
Shipbuilding and military tank vehicles	961	939	949	+2.3	-1.1	+5.9	930	932	952	823	+13.0	3,575	3,280
Instruments and related products	6,285	6,200	6,259	+1.4	-0.9	-2.2	6,109	6,535	6,138	5,939	+2.9	24,612	23,058
Scientific and engineering instruments	4,117	4,054	4,159	+1.6	-2.5	-2.3	4,063	4,323	4,141	4,055	+0.2	16,513	15,826
Photographic goods	2,005	1,985	1,938	+1.0	+2.4	-1.4	1,875	2,037	1,836	1,681	+11.5	7,444	6,471
All other durable goods	11,947	11,783	11,850	+1.4	-0.6	-4.5	12,490	12,117	11,577	12,044	+3.7	46,996	44,934
Nondurable goods industries	110,481	107,616	107,429	+2.7	+0.2	-0.4	109,804	109,994	107,264	99,611	+10.2	428,212	389,534
With unfilled orders	27,487	26,683	27,224	+3.0	-2.0	+0.9	27,266	27,060	27,194	25,530	+6.8	106,977	99,866
Food and kindred products	32,242	32,364	31,842	-0.4	+1.6	+0.4	31,523	32,928	31,572	28,438	+10.8	125,673	112,151
Dairy products	4,241	4,229	4,167	+0.3	+1.5	+0.6	4,194	4,276	4,118	3,917	+7.1	16,523	15,615
Beverages	4,214	4,250	4,202	-0.8	+1.1	-1.2	4,488	4,108	3,806	4,273	+5.0	16,135	14,924
All other foods	14,923	14,896	14,812	+0.2	+0.6	-0.9	14,192	15,824	15,261	12,780	+11.0	59,261	51,825
Tobacco products	2,067	2,003	1,819	+3.2	+10.1	-3.1	1,732	2,392	1,574	1,444	+19.9	6,916	6,001
Textile mill products	5,327	5,333	5,458	-0.1	-2.3	-1.1	5,247	5,615	5,397	4,872	+7.7	21,001	18,844
Broadwoven fabrics	3,332	3,201	3,283	+4.1	-2.5	+0.6	3,229	3,415	3,305	3,066	+5.3	12,826	11,748
Paper and allied products	11,053	10,896	10,802	+1.4	+0.9	-1.2	11,124	11,098	11,036	10,213	+8.9	44,080	40,223
Pulp, paper etc.	4,823	4,812	4,878	+0.2	-1.4	-0.7	4,908	4,928	5,042	4,606	+6.6	19,782	17,968
Paperboard containers	2,928	2,787	2,700	+5.1	+3.2	+2.1	2,969	2,806	2,708	2,490	+19.2	11,043	9,621
All other paper products	3,302	3,297	3,224	+0.2	+2.3	-4.7	3,247	3,364	3,286	3,117	+4.2	13,255	12,634
Chemicals and allied products	21,370	20,862	21,021	+2.4	-0.8	-1.4	22,305	21,960	21,483	20,419	+9.2	86,601	78,840
Industrial chemicals, except pigments	6,021	5,758	6,022	+4.6	-4.4	-1.5	6,256	6,058	6,095	5,633	+11.1	24,251	21,512
Drugs, soaps, and toiletries	6,542	6,504	6,413	+0.6	+1.4	-1.7	6,123	6,727	6,502	5,714	+7.2	25,955	23,868
Other chemical products	5,782	5,685	5,673	+1.7	+0.2	-2.6	5,950	5,803	5,942	5,357	+11.1	23,227	21,154
Petroleum and coal products	12,226	11,090	10,786	+10.2	+2.8	+3.9	12,033	10,611	10,162	10,395	+15.8	42,850	39,574
Rubber and plastics products	8,185	7,875	7,986	+3.9	-1.4	-6.8	8,486	8,162	8,200	7,619	+11.4	32,733	28,983
All other nondurable goods	18,011	17,193	17,715	+4.8	-2.9	+0.8	17,354	17,228	17,840	16,211	+7.1	68,358	65,139
Market categories:													
Home goods and apparel	15,000	14,608	14,797	+2.7	-1.3	-2.1	14,322	15,240	15,068	13,187	+8.6	57,539	53,974
Consumer staples	45,570	44,969	44,556	+1.3	+0.9	+0.2	44,100	46,003	43,922	39,793	+10.8	175,236	157,420
Equipment and defense prod. except automotive	38,371	37,802	37,153	+1.5	+1.7	-0.1	37,455	41,261	36,096	34,380	+8.9	146,398	136,239
Automotive equipment	22,471	21,351	22,154	+5.2	-3.6	-5.1	24,330	23,044	24,048	21,237	+14.6	93,841	81,193
Construction materials, supplies and intermediate products	17,233	17,251	17,400	-0.1	-0.9	-5.4	18,078	17,653	16,525	17,777	+1.7	68,020	65,078
Other materials, supplies, and intermediate products	94,776	92,067	92,293	+2.9	-0.2	-0.8	96,441	95,497	93,475	87,296	+10.5	373,561	338,965
Supplementary series:[2]													
Capital goods industries	43,130	42,528	41,858	+1.4	+1.6	-0.5	41,611	46,042	40,717	37,978	+9.6	164,035	152,439
Nondefense	34,484	34,079	33,455	+1.2	+1.9	+0.4	33,524	36,864	32,530	29,905	+12.1	131,363	118,330
Excluding aircraft and parts	30,134	29,369	29,391	+2.6	-0.1	+1.1	29,234	31,657	28,624	26,064	+12.2	114,638	103,275
Defense	8,646	8,449	8,403	+2.3	+0.5	-3.7	8,087	9,178	8,187	8,073	+0.2	32,672	34,109
Household durable goods industries	7,089	6,864	6,955	+3.3	-1.3	+0.3	6,890	7,330	6,889	6,279	+9.7	27,010	25,172

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Apr. 1988	Apr. 89/88[p]	1989[p]	1988
All manufacturing industries	239,358	233,011	231,306	+2.7	+0.7	-2.0	239,403	246,325	235,462	216,330	+10.7	943,597	856,615
Manufacturing industries with unfilled orders	134,346	130,661	129,030	+2.8	+1.3	-2.3	132,641	140,671	132,225	119,737	+10.8	530,786	483,433
Durable goods industries	129,164	125,377	124,107	+3.0	+1.0	-3.4	129,830	135,749	128,116	116,889	+11.1	514,681	466,014
With unfilled orders	107,146	103,960	102,036	+3.1	+1.9	-3.2	105,606	113,029	104,949	94,377	+11.9	423,105	382,500
Stone, clay, and glass products	5,297	5,007	5,324	+5.8	-6.0	-2.1	5,443	5,101	5,282	5,437	+0.1	20,700	20,732
Primary metals	12,604	11,885	12,602	+6.0	-5.7	-3.6	12,851	12,846	13,852	11,297	+13.8	53,011	47,772
Blast furnaces, steel mills	4,590	4,635	5,112	-1.0	-9.3	-12.5	4,907	4,800	5,912	4,902	+0.1	21,692	20,866
Iron and steel foundries	935	838	922	+11.6	-9.1	-4.5	982	869	944	898	+9.4	3,809	3,503
Nonferrous and other primary metals	7,079	6,412	6,568	+10.4	-2.4	+4.7	6,962	7,177	6,996	5,497	+26.7	27,510	23,403
Fabricated metal products	12,880	12,910	13,377	-0.2	-3.5	+3.0	13,087	13,908	13,658	11,678	+12.1	52,355	46,142
Machinery, except electrical	22,519	22,255	21,921	+1.2	+1.5	-2.1	22,521	24,304	21,940	20,813	+8.2	88,922	81,052
Engines and turbines	1,277	1,368	1,804	-6.7	-24.2	+21.7	1,158	1,466	1,736	1,177	-1.6	5,612	4,537
Construction, mining and material handling equipment	2,999	3,103	2,711	-3.4	+14.5	-7.3	3,054	3,391	2,677	2,712	+12.6	11,699	10,307
Metalworking machinery	905	953	1,012	-5.0	-5.8	-5.6	932	1,116	1,071	1,047	-11.0	4,071	4,199
Office and computing machines	5,781	5,939	4,969	-2.7	+19.5	-12.2	4,918	6,721	4,614	4,983	-1.3	20,511	20,309
Electrical machinery	19,979	18,272	19,573	+9.3	-6.6	+0.1	18,912	19,903	20,129	17,350	+9.0	77,112	74,181
Electrical transmission and distribution equipment and industrial apparatus	2,636	2,493	2,574	+5.7	-3.1	-11.7	2,565	2,684	2,723	2,206	+16.3	10,652	9,103
Communication equipment	6,263	5,323	6,381	+17.7	-16.6	+9.7	5,452	6,221	6,564	5,201	+4.8	23,578	23,623
Electronic components	4,841	4,373	4,558	+10.7	-4.1	-0.1	5,205	4,903	4,967	4,806	+8.3	19,349	19,242
Other electrical machinery	3,456	3,565	3,312	-3.1	+7.6	-7.6	3,268	3,490	3,346	3,159	+3.5	13,454	13,224
Transportation equipment	37,566	37,050	33,381	+1.4	+11.0	-7.6	38,067	40,392	35,547	32,008	+18.9	148,981	126,056
Aircraft, missiles, and parts	15,705	15,892	10,730	-1.2	+48.1	-19.6	14,552	17,551	10,611	10,697	+36.0	55,642	44,170
Shipbuilding and military tank vehicles	443	824	1,504	-46.2	-45.2	165.7	390	827	1,526	1,144	-65.9	3,183	4,663
Instruments and related products	6,353	6,224	6,097	+2.1	+2.1	-3.0	6,140	6,553	5,839	5,863	+4.7	24,444	23,284
Scientific and engineering instruments	4,211	4,031	4,005	+4.5	+0.6	-5.9	4,116	4,286	3,840	3,986	+3.3	16,357	16,039
All other durable goods	11,966	11,774	11,832	+1.6	-0.5	-6.2	12,809	12,742	11,869	12,443	+2.9	49,156	46,795
Nondurable goods industries	110,194	107,634	107,199	+2.4	+0.4	-0.4	109,573	110,576	107,346	99,441	+10.2	428,916	390,601
With unfilled orders	27,200	26,701	26,994	+1.9	-1.1	+1.3	27,035	27,642	27,276	25,360	+6.6	107,681	100,933
Market categories:													
Home goods and apparel	15,054	14,473	14,646	+4.0	-1.2	-5.2	14,499	15,814	15,351	13,299	+9.0	60,064	56,180
Consumer staples	45,527	44,945	44,525	+1.3	+0.9	+0.2	44,062	45,977	43,880	39,747	+10.9	175,125	157,537
Equipment and defense prod. except automotive	44,187	41,711	40,503	+5.9	+3.0	+0.1	42,183	45,283	40,268	34,768	+21.3	164,740	146,448
Automotive equipment	22,325	21,342	22,141	+4.6	-3.6	-5.0	24,094	23,011	24,242	21,232	+13.5	93,815	81,210
Construction materials, supplies and intermediate products	17,127	17,106	17,180	+0.1	-0.4	-5.4	17,947	17,599	16,623	17,568	+2.2	67,920	66,028
Other materials, supplies, and intermediate products	95,138	93,434	92,311	+1.8	+1.2	-2.1	96,618	98,641	95,098	89,716	+7.7	381,933	349,212
Supplementary series:													
Capital goods industries	49,279	48,598	45,348	+1.4	+7.2	-3.9	46,544	53,007	45,360	40,933	+13.7	188,292	167,668
Nondefense	40,476	38,137	37,189	+6.1	+2.5	-7.8	39,321	40,629	37,048	32,469	+21.1	153,296	130,808
Excluding aircraft and parts	30,657	30,056	29,761	+2.0	+1.0	-2.6	29,562	32,051	29,778	26,823	+10.2	118,813	107,800
Defense	8,803	10,461	8,159	-15.8	+28.2	+19.7	7,223	12,378	8,312	8,464	-14.7	34,996	36,860
Household durable goods industries	7,181	6,703	6,813	+7.1	-1.6	-5.5	7,068	7,781	7,051	6,407	+10.3	28,993	26,899

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Apr. 1988	Apr. 89/88[p]
All manufacturing industries	487,303	481,366	476,403	+1.2	+1.0	+0.6	492,936	488,259	480,632	439,744	+12.1
Durable goods industries	467,121	460,897	455,952	+1.4	+1.1	+0.7	472,255	467,347	460,302	419,242	+12.6
Stone, clay, and glass products	5,515	5,559	5,702	-0.8	-2.5	-0.6	5,588	5,735	5,855	5,608	-.4
Primary metals	25,608	25,504	25,996	+0.4	-1.9	+0.2	27,048	27,143	27,372	25,636	+5.5
Blast furnaces, steel mills	10,550	11,085	11,553	-4.8	-4.1	+0.3	11,394	11,879	12,444	11,954	-4.7
Iron and steel foundries	2,369	2,344	2,337	+1.1	+0.3	+1.4	2,419	2,377	2,384	2,134	+13.4
Nonferrous and other primary metals	12,689	12,075	12,106	+5.1	-0.3	-0.1	13,235	12,887	12,544	11,548	+14.6
Fabricated metal products	28,002	28,299	28,524	-1.0	-0.8	+1.2	28,060	28,467	28,571	29,478	-4.8
Machinery, except electrical	61,689	61,145	60,838	+0.9	+0.5	0.0	62,138	61,522	61,343	55,645	+11.7
Engines and turbines	4,922	4,879	4,910	+0.9	-0.6	+7.0	4,706	4,806	4,946	4,809	-2.1
Construction, mining and material handling equipment	9,257	8,954	8,589	+3.4	+4.2	+0.3	9,433	9,226	8,738	7,611	+23.9
Metalworking machinery	4,780	4,904	4,966	-2.5	-1.2	+0.1	4,751	4,757	4,801	3,458	+37.4
Office and computing machines	13,050	13,201	13,150	-1.1	+0.4	-2.9	13,050	12,931	13,069	13,960	-6.5
Electrical machinery	92,074	92,346	93,615	-0.3	-1.4	+0.4	92,459	93,062	93,967	94,235	-1.9
Electrical transmission and distribution equipment and industrial apparatus	7,339	7,336	7,301	0.0	+0.5	+0.4	7,373	7,382	7,368	6,647	+10.9
Communication equipment	64,623	64,909	65,853	-0.4	-1.4	+0.8	64,868	65,629	66,390	66,337	-2.2
Electronic components	14,128	14,089	14,469	+0.3	-2.6	-0.9	14,481	14,179	14,363	15,940	-9.2
Other electrical machinery	4,743	4,826	4,656	-1.7	+3.7	-3.7	4,686	4,734	4,607	4,430	+5.8
Transportation equipment	231,956	225,854	219,102	+2.7	+3.1	+1.2	234,097	228,903	221,322	186,738	+25.4
Aircraft, missiles, and parts.	194,401	187,793	181,110	+3.5	+3.7	+1.1	196,399	190,587	183,061	155,750	+26.1
Shipbuilding and military tank vehicles	25,867	26,385	26,500	-2.0	-0.4	+2.1	25,845	26,385	26,490	20,162	+28.2
Instruments and related products	14,602	14,534	14,510	+0.5	+0.2	-1.1	14,532	14,501	14,483	13,724	+5.9
Scientific and engineering instruments	13,545	13,451	13,474	+0.7	-0.2	-1.1	13,491	13,438	13,475	12,773	+5.6
All other durable goods	7,675	7,656	7,665	+0.2	-0.1	-0.2	8,333	8,014	7,389	8,178	+1.9
Nondurable goods industries	20,182	20,469	20,451	-1.4	+0.1	-1.1	20,681	20,912	20,330	20,502	+.9
Market categories:											
Home goods and apparel	8,504	8,450	8,585	+0.6	-1.6	-1.7	9,100	8,923	8,349	9,284	-2.0
Consumer staples	688	731	755	-5.9	-3.2	-3.9	733	771	797	785	-6.6
Equipment and defense prod. except automotive	303,100	297,284	293,375	+2.0	+1.3	+1.2	305,039	300,311	296,289	262,401	+16.2
Automotive equipment	8,672	8,818	8,827	-1.7	-0.1	-0.1	8,837	9,073	9,106	9,220	-4.2
Construction materials, supplies and intermediate products	14,843	14,949	15,094	-0.7	-1.0	-1.4	15,041	15,172	15,226	15,545	-3.2
Other materials, supplies, and intermediate products	151,496	151,134	149,767	+0.2	+0.9	0.0	154,186	154,009	150,865	142,509	+8.2
Supplementary series:											
Capital goods industries	365,853	359,704	353,634	+1.7	+1.7	+1.0	368,500	363,567	356,602	316,211	+16.5
Nondefense	200,446	194,454	190,396	+3.1	+2.1	+2.0	200,706	194,909	191,144	151,338	+32.6
Excluding aircraft and parts	90,655	90,132	89,445	+0.6	+0.8	+0.4	90,915	90,587	90,193	82,237	+10.6
Defense	165,407	165,250	163,238	+0.1	+1.2	-0.1	167,794	168,658	165,458	164,873	+1.8
Household durable goods industries	6,184	6,092	6,253	+1.5	-2.6	-2.2	6,712	6,534	6,083	6,674	+.6

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Apr. 1988	Apr. 89/88[p]
All manufacturing industries	363,324	361,130	359,056	+0.6	+0.6	+0.4	365,700	362,082	360,741	340,312	+7.5
Manufacturing industries with unfilled orders	252,801	251,770	250,630	+0.4	+0.5	+0.5	254,515	251,977	250,513	235,004	+8.3
Durable goods industries	240,410	239,330	238,165	+0.5	+0.5	+0.6	242,056	240,180	238,967	223,119	+8.5
With unfilled orders	222,347	221,353	220,103	+0.4	+0.6	+0.7	223,567	221,408	219,992	205,347	+8.9
Stone, clay, and glass products	7,685	7,630	7,609	+0.7	+0.3	+0.6	7,877	7,813	7,738	7,397	+6.5
Primary metals	21,007	20,880	20,785	+0.6	+0.5	+1.0	21,102	20,757	20,813	18,901	+11.6
Blast furnaces, steel mills	10,582	10,537	10,353	+0.4	+1.8	+1.3	10,402	10,251	10,217	8,929	+16.5
Iron and steel foundries	1,344	1,391	1,385	-3.4	+0.4	-0.4	1,419	1,465	1,429	1,340	+5.9
Nonferrous and other primary metals	9,081	8,952	9,047	+1.4	-1.1	+0.8	9,281	9,041	9,167	8,632	+7.5
Fabricated metal products	23,955	23,962	23,771	0.0	+0.8	0.0	24,283	24,214	23,818	23,449	+3.6
Machinery, except electrical	47,715	47,730	47,532	0.0	+0.4	+0.3	48,127	47,925	47,904	43,497	+10.6
Engines and turbines	3,089	3,066	3,067	+0.8	0.0	-0.5	3,089	3,020	3,033	2,783	+11.0
Construction, mining and material handling equipment	7,718	7,604	7,738	+1.5	-1.7	+0.4	7,795	7,692	7,833	7,009	+11.2
Metalworking machinery	3,170	3,123	3,103	+1.5	+0.6	+5.7	3,157	3,115	3,127	2,650	+19.1
Office and computing machines	12,147	12,227	12,292	-0.7	-0.5	-0.6	12,256	12,080	12,287	11,125	+10.2
Electrical machinery	41,535	41,288	41,371	+0.6	-0.2	+0.7	41,880	41,110	41,115	39,762	+5.3
Electrical transmission and distribution equipment and industrial apparatus	5,192	5,174	5,163	+0.3	+0.2	-0.3	5,291	5,195	5,160	5,076	+4.2
Household appliances	2,921	2,914	2,947	+0.2	-1.1	-1.8	3,126	3,038	3,011	3,024	+3.4
Radio and TV	1,680	1,667	1,618	+0.8	+3.0	+5.0	1,710	1,583	1,543	1,376	+24.3
Communication equipment	16,471	16,293	16,248	+1.1	+0.3	+1.0	16,439	16,087	16,133	16,200	+1.5
Electronic components	8,915	8,904	8,894	+0.1	+0.1	+1.1	8,888	8,857	8,859	8,057	+10.3
Other electrical machinery	6,356	6,336	6,501	+0.3	-2.5	+0.2	6,426	6,350	6,409	6,029	+6.6
Transportation equipment	66,643	65,996	65,368	+1.0	+1.0	+1.1	66,596	66,274	65,505	59,329	+12.2
Motor vehicles and parts	12,128	12,169	12,246	-0.3	-0.6	-0.3	12,169	12,379	12,693	11,507	+5.8
Aircraft, missiles, and parts.	50,021	49,553	48,747	+0.9	+1.7	+1.2	49,944	49,600	48,416	43,943	+13.7
Shipbuilding and military tank vehicles	2,204	2,169	2,338	+1.6	-7.2	+4.9	2,241	2,147	2,276	2,010	+11.5
Instruments and related products	14,347	14,336	14,218	+0.1	+0.8	+0.7	14,382	14,256	14,155	12,986	+10.8
Scientific and engineering instruments	10,556	10,543	10,494	+0.1	+0.5	+0.6	10,524	10,517	10,446	9,521	+10.5
Photographic goods	3,171	3,160	3,100	+0.3	+1.9	+0.8	3,234	3,114	3,096	2,871	+12.6
All other durable goods	17,523	17,508	17,511	+0.1	0.0	-0.5	17,809	17,831	17,919	17,798	+.1
Nondurable goods industries	122,914	121,800	120,891	+0.9	+0.8	+0.2	123,644	121,902	121,774	117,193	+5.5
With unfilled orders	30,454	30,417	30,527	+0.1	-0.4	-0.7	30,948	30,569	30,521	29,657	+4.4
Food and kindred products	26,551	26,301	26,245	+1.0	+0.2	-0.1	25,965	25,721	26,423	24,497	+6.0
Dairy products	2,475	2,485	2,510	-0.4	-1.0	+1.2	2,502	2,461	2,486	2,257	+10.9
Beverages	4,350	4,368	4,324	-0.4	+1.0	+0.7	4,450	4,423	4,381	4,480	-.7
All other foods	15,016	14,725	14,763	+2.0	-0.3	-0.2	14,205	14,051	14,721	13,612	+4.4
Tobacco products	5,390	5,372	5,432	+0.3	-1.1	+1.6	5,525	5,545	5,763	5,805	-4.8
Textile mill products	7,590	7,495	7,606	+1.3	-1.5	-0.4	7,827	7,598	7,669	7,766	+.8
Broadwoven fabrics	4,350	4,332	4,397	+0.4	-1.5	-1.1	4,480	4,404	4,449	4,526	-1.0
Paper and allied products	12,004	11,905	11,941	+0.8	-0.3	-1.3	12,258	12,070	12,053	11,633	+5.4
Pulp, paper etc.	4,649	4,546	4,473	+2.3	+1.6	-0.1	4,737	4,642	4,585	4,037	+17.3
Paperboard containers	3,024	2,973	3,038	+1.7	-2.1	-3.5	3,109	3,048	3,070	3,253	-4.4
All other paper products	4,331	4,386	4,430	-1.3	-1.0	-0.8	4,412	4,380	4,398	4,343	+1.6
Chemicals and allied products	28,792	28,510	27,880	+1.0	+2.3	+1.0	29,038	28,813	28,353	25,841	+12.4
Industrial chemicals, except pigments	7,963	7,938	7,632	+0.3	+4.0	+2.6	8,003	7,989	7,782	6,732	+18.9
Drugs, soaps, and toiletries	9,514	9,426	9,321	+0.9	+1.1	-0.8	9,609	9,413	9,308	9,176	+4.7
Other chemical products	7,120	7,066	6,980	+0.8	+1.2	+0.7	7,241	7,155	7,130	6,404	+13.1
Petroleum and coal products	10,392	9,897	9,578	+5.0	+3.3	+2.2	10,258	9,640	9,497	9,850	+4.1
Rubber and plastics products	10,523	10,572	10,405	-0.5	+1.6	-0.1	10,767	10,905	10,590	9,607	+12.1
All other nondurable goods	21,672	21,748	21,804	-0.3	-0.3	-0.5	22,006	21,610	21,426	22,194	-.8
Market categories:											
Home goods and apparel	26,161	26,053	26,058	+0.4	0.0	-0.5	26,785	26,037	25,928	27,102	-1.2
Consumer staples	44,883	44,454	44,279	+1.0	+0.4	+0.2	44,623	44,142	44,675	42,840	+4.2
Equipment and defense prod. except automotive	109,169	108,309	107,523	+0.8	+0.7	+1.1	109,592	108,440	107,709	98,973	+10.7
Automotive equipment	15,143	15,013	15,045	+0.9	-0.2	+0.3	15,198	15,357	15,642	14,147	+7.4
Construction materials, supplies and intermediate products	25,012	25,042	25,059	-0.1	-0.1	-0.6	25,640	25,605	25,483	25,339	+1.2
Other materials, supplies, and intermediate products	142,956	142,259	141,092	+0.5	+0.8	+0.4	143,862	142,501	141,304	131,911	+9.1
Supplementary series:[2]											
Capital goods industries	125,435	124,742	124,034	+0.6	+0.6	+0.9	125,943	124,631	123,632	114,286	+10.2
Nondefense	89,076	88,326	88,241	+0.8	+0.1	+1.2	89,599	88,160	88,335	80,172	+11.8
Excluding aircraft and parts	65,638	65,495	65,634	+0.2	-0.2	+0.6	66,257	65,482	65,670	60,539	+9.4
Defense	36,359	36,416	35,793	-0.2	+1.7	0.0	36,344	36,471	35,297	34,114	+6.5
Household durable goods industries	13,082	13,046	12,927	+0.3	+0.9	-0.2	13,342	13,059	12,961	12,845	+3.9

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Apr. 1988	Apr. 89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,453	114,136	113,752	-0.6	+0.3	+0.5	113,703	114,169	114,356	108,469	+4.8
Durable goods industries	66,692	67,278	66,852	-0.9	+0.6	+0.9	66,490	66,961	66,848	62,461	+6.5
Stone, clay, and glass products	2,559	2,529	2,512	+1.2	+0.7	+1.1	2,567	2,527	2,519	2,367	+8.4
Primary metals	6,465	6,448	6,421	+0.3	+0.4	+1.7	6,272	6,187	6,361	5,717	+9.7
Fabricated metal products	8,774	8,954	8,825	-2.0	+1.5	+0.7	8,762	8,952	8,800	8,360	+4.8
Machinery, except electrical	13,086	13,353	13,172	-2.0	+1.4	+0.4	13,106	13,280	13,187	12,248	+7.0
Electrical machinery	11,138	11,271	11,336	-1.2	-0.6	+0.5	11,214	11,267	11,255	10,517	+6.6
Transportation equipment	13,099	13,055	12,891	+0.3	+1.3	+1.9	13,104	13,132	12,958	12,369	+5.9
Instruments and related products	4,737	4,812	4,852	-1.6	-0.8	+0.1	4,740	4,774	4,835	4,271	+11.0
Lumber, furniture and miscellaneous durable goods	6,834	6,856	6,843	-0.3	+0.2	+0.5	6,725	6,842	6,933	6,612	+1.7
Nondurable goods industries	46,761	46,858	46,900	-0.2	-0.1	-0.1	47,213	47,208	47,508	46,008	+2.6
Food and kindred products	9,000	9,082	9,014	-0.9	+0.8	-1.1	9,093	9,075	9,176	9,094	.0
Tobacco products	4,062	4,053	4,098	+0.2	-1.1	+2.1	4,130	4,222	4,340	4,453	-7.3
Textile mill products	2,214	2,201	2,228	+0.6	-1.2	-0.8	2,321	2,253	2,270	2,413	-3.8
Paper and allied products	6,474	6,438	6,493	+0.6	-0.8	-2.2	6,550	6,536	6,572	6,224	+5.2
Chemicals and allied products	10,157	10,128	10,044	+0.3	+0.8	+1.3	10,130	10,132	10,116	9,130	+11.0
Petroleum and coal products	2,397	2,306	2,225	+3.9	+3.6	+0.3	2,437	2,292	2,267	2,472	-1.4
Rubber and plastics products	4,090	4,160	4,199	-1.7	-0.9	0.0	4,089	4,195	4,210	3,714	+10.1
Apparel, printing and publishing and leather goods	8,367	8,490	8,599	-1.4	-1.3	-0.1	8,463	8,503	8,557	8,508	-.5
WORK IN PROCESS											
All manufacturing industries	133,936	131,630	129,640	+1.8	+1.5	+0.6	134,243	132,034	129,596	121,907	+10.1
Durable goods industries	113,449	111,555	110,118	+1.7	+1.3	+0.7	113,745	111,947	110,062	102,857	+10.6
Stone, clay, and glass products	1,177	1,137	1,128	+3.5	+0.8	+2.2	1,210	1,179	1,160	1,148	+5.4
Primary metals	8,889	8,710	8,513	+2.1	+2.3	+0.8	8,996	8,811	8,527	7,713	+16.6
Fabricated metal products	8,385	8,280	8,271	+1.3	+0.1	-0.7	8,565	8,394	8,289	8,317	+3.0
Machinery, except electrical	19,444	18,921	18,655	+2.8	+1.4	+0.7	19,570	19,103	18,695	17,255	+13.4
Electrical machinery	20,471	20,227	20,111	+1.2	+0.6	+1.3	20,405	19,978	20,007	19,720	+3.5
Transportation equipment	45,967	45,241	44,372	+1.6	+2.0	+1.0	45,799	45,373	44,294	39,925	+14.7
Instruments and related products	5,497	5,462	5,402	+0.6	+1.1	+0.9	5,522	5,456	5,334	5,115	+8.0
Lumber, furniture and miscellaneous durable goods	3,619	3,577	3,666	+1.2	-2.4	-2.0	3,678	3,653	3,756	3,664	+.4
Nondurable goods industries	20,487	20,075	19,522	+2.1	+2.8	-0.1	20,498	20,087	19,534	19,050	+7.6
Food and kindred products	2,733	2,744	2,675	-0.4	+2.6	-0.2	2,720	2,750	2,691	2,600	+4.6
Tobacco products	279	288	278	-3.1	+3.6	-13.1	228	247	284	179	+27.4
Textile mill products	2,396	2,380	2,361	+0.7	+0.8	+1.8	2,428	2,408	2,384	2,292	+5.9
Paper and allied products	1,365	1,346	1,297	+1.4	+3.8	-2.5	1,365	1,334	1,267	1,292	+5.7
Chemicals and allied products	4,619	4,459	4,393	+3.6	+1.5	0.0	4,607	4,447	4,376	4,095	+12.5
Petroleum and coal products	2,957	2,769	2,598	+6.8	+6.6	+1.2	2,900	2,687	2,538	2,498	+16.1
Rubber and plastics products	1,498	1,486	1,390	+0.8	+6.9	-1.8	1,469	1,501	1,410	1,348	+9.0
Apparel, printing and publishing and leather goods	4,640	4,603	4,530	+0.8	+1.6	+0.5	4,781	4,713	4,584	4,746	+.7
FINISHED GOODS											
All manufacturing industries	115,935	115,364	115,664	+0.5	-0.3	+0.2	117,754	115,879	116,789	109,936	+7.1
Durable goods industries	60,269	60,497	61,195	-0.4	-1.1	-0.1	61,821	61,272	62,057	57,801	+7.0
Stone, clay, and glass products	3,949	3,964	3,969	-0.4	-0.1	-0.1	4,100	4,107	4,059	3,882	+5.6
Primary metals	5,653	5,722	5,851	-1.2	-2.2	+0.4	5,834	5,759	5,925	5,471	+6.6
Fabricated metal products	6,796	6,728	6,675	+1.0	+0.8	0.0	6,956	6,868	6,729	6,772	+2.7
Machinery, except electrical	15,185	15,456	15,705	-1.8	-1.6	-0.4	15,451	15,542	16,022	13,994	+10.4
Electrical machinery	9,926	9,790	9,924	+1.4	-1.4	-0.3	10,261	9,865	9,853	9,525	+7.7
Transportation equipment	7,577	7,700	8,105	-1.6	-5.0	+0.6	7,693	7,769	8,253	7,035	+9.4
Instruments and related products	4,113	4,062	3,964	+1.3	+2.5	+1.0	4,120	4,026	3,986	3,600	+14.4
Lumber, furniture and miscellaneous durable goods	7,070	7,075	7,002	-0.1	+1.0	-0.7	7,406	7,336	7,230	7,522	-1.5
Nondurable goods industries	55,666	54,867	54,469	+1.5	+0.7	+0.6	55,933	54,607	54,732	52,135	+7.3
Food and kindred products	14,818	14,475	14,556	+2.4	-0.6	+0.6	14,152	13,896	14,556	12,803	+10.5
Tobacco products	1,049	1,031	1,056	+1.7	-2.4	+4.1	1,167	1,076	1,139	1,173	-.5
Textile mill products	2,980	2,914	3,017	+2.3	-3.4	-1.7	3,078	2,937	3,015	3,061	+.6
Paper and allied products	4,165	4,121	4,151	+1.1	-0.7	+0.7	4,343	4,200	4,214	4,117	+5.5
Chemicals and allied products	14,016	13,923	13,443	+0.7	+3.6	+1.2	14,301	14,234	13,861	12,616	+13.4
Petroleum and coal products	5,038	4,822	4,755	+4.5	+1.4	+3.6	4,921	4,661	4,692	4,880	+.8
Rubber and plastics products	4,935	4,926	4,816	+0.2	+2.3	+0.2	5,209	5,209	4,970	4,545	+14.6
Apparel, printing and publishing and leather goods	8,665	8,655	8,675	+0.1	-0.2	-1.3	8,762	8,394	8,285	8,940	-2.0

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Jan. 1988	Apr. 1989[p]	Mar. 1989[r]	Feb. 1989	Jan. 1988
All manufacturing industries	1.56	1.58	1.57	1.54	3.79	3.83	3.78	3.71
Durable goods industries	1.96	1.99	1.97	1.92	4.63	4.65	4.61	4.51
Stone, clay, and glass products	1.44	1.48	1.42	1.36	1.12	1.17	1.15	1.12
Primary metals	1.68	1.69	1.66	1.60	2.05	2.06	2.07	2.02
Fabricated metal products	1.82	1.82	1.82	1.80	2.34	2.38	2.41	2.36
Machinery, except electrical	2.17	2.17	2.17	2.21	2.97	2.95	2.94	2.97
Electrical machinery	2.05	2.11	2.15	2.08	4.55	4.73	4.87	4.71
Transportation equipment	2.12	2.18	2.13	2.03	12.90	12.99	12.76	12.33
Instruments and related products	2.28	2.31	2.27	2.21	2.32	2.34	2.32	2.29
Nondurable goods industries	1.11	1.13	1.13	1.12	0.73	0.77	0.75	0.77
Food and kindred products	0.82	0.81	0.82	0.83	(X)	(X)	(X)	(X)
Tobacco products	2.61	2.68	2.99	2.85	(X)	(X)	(X)	(X)
Textile mill products	1.42	1.41	1.39	1.38	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.09	1.09	1.11	1.11	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.37	1.33	1.29	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.89	0.89	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.29	1.34	1.30	1.22	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

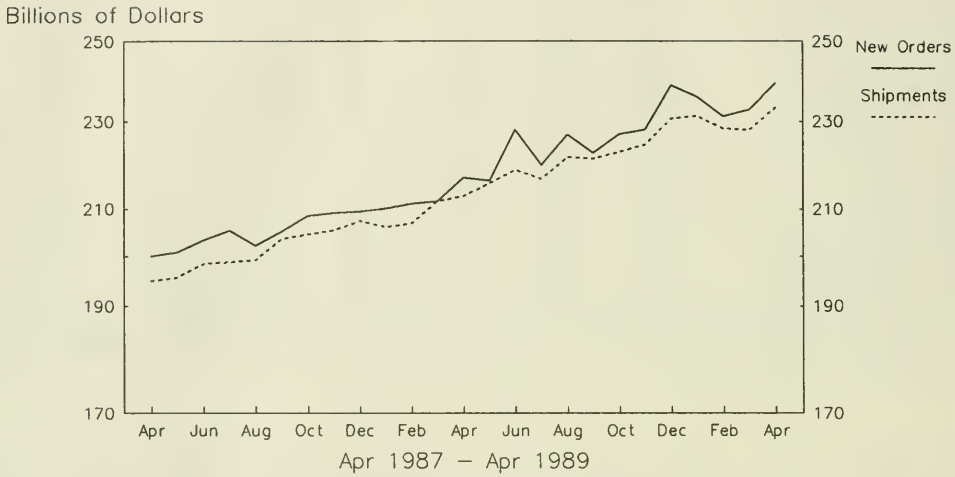
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr. 1988	Apr.[1] 1984-1988	Apr. 1988-Mar. 1989	Apr. 1988	Apr.[1] 1984-1988	Apr. 1988-Mar. 1989	Apr. 1988	Apr.[1] 1984-1988	Apr. 1988-Mar. 1989	Apr. 1988	Apr.[1] 1984-1988	Apr. 1988-Mar. 1989
All manufacturing industries	0.1	0.3	0.2	0.3	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.1
Durable goods industries	0.2	0.4	0.1	0.7	0.6	0.4	0.2	0.1	0.1	0.1	0.5	0.1
Stone, clay, and glass products	0.4	0.9	0.5	0.1	0.7	0.4	1.0	1.2	0.4	0.1	0.2	0.2
Primary metals	0.3	0.5	0.3	1.1	1.2	0.8	0.4	0.2	0.3	0.2	0.2	0.3
Fabricated metal products	0.4	0.6	0.4	0.8	0.9	0.8	0.7	0.3	0.2	0.0	0.3	0.1
Machinery, except electrical	0.2	0.8	0.5	1.9	1.4	1.4	0.6	0.3	0.4	0.0	0.0	0.1
Electrical machinery	0.8	0.5	0.4	0.7	0.9	0.5	0.0	0.1	0.1	0.0	0.2	0.1
Transportation equipment	0.1	0.7	0.2	0.1	1.6	0.6	0.0	0.2	0.1	0.1	0.0	0.1
Instruments and related products	0.1	0.9	0.6	0.4	1.2	1.6	0.1	0.5	0.5	0.0	0.2	0.2
Nondurable goods industries	0.1	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.6	0.1	0.2	0.1
Food and kindred products	0.2	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.3
Tobacco products	0.1	0.1	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.1
Textile mill products	0.7	1.3	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.4	0.3
Paper and allied products	0.1	1.1	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.3	0.2
Chemicals and allied products	1.0	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.2
Petroleum and coal products	0.9	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.6
Rubber and plastics products	0.2	1.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.4
Capital goods industries:												
Nondefense	0.6	0.7	0.4	1.5	1.1	0.9	0.2	0.1	0.1	0.0	0.1	0.1
Defense	0.1	0.5	0.6	0.2	2.8	1.7	0.0	0.2	0.1	0.0	0.2	0.1

(X) Not applicable. (NA) Not available.

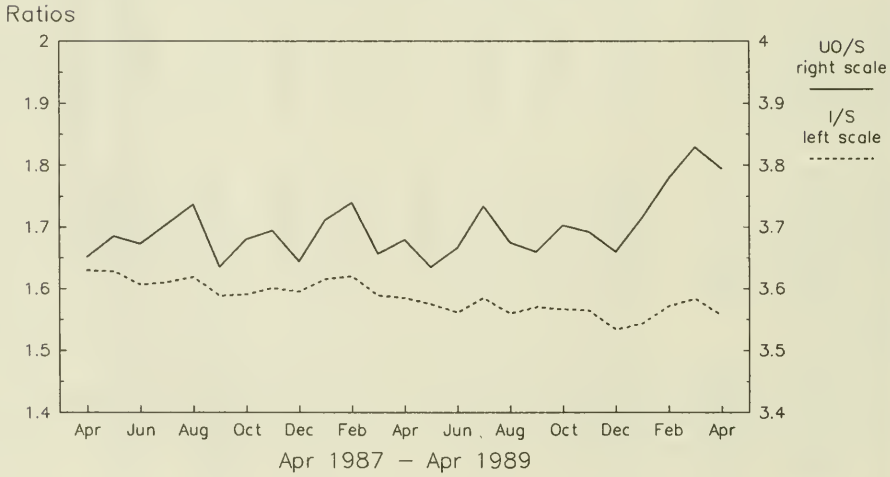
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments

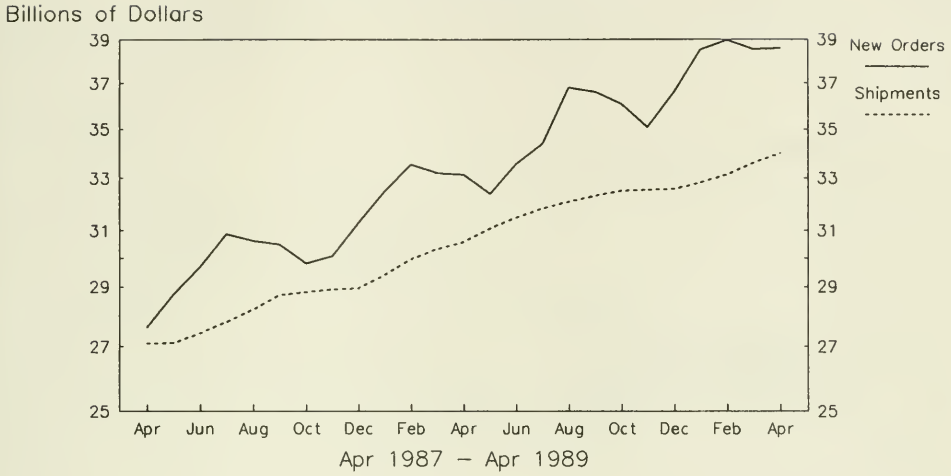


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

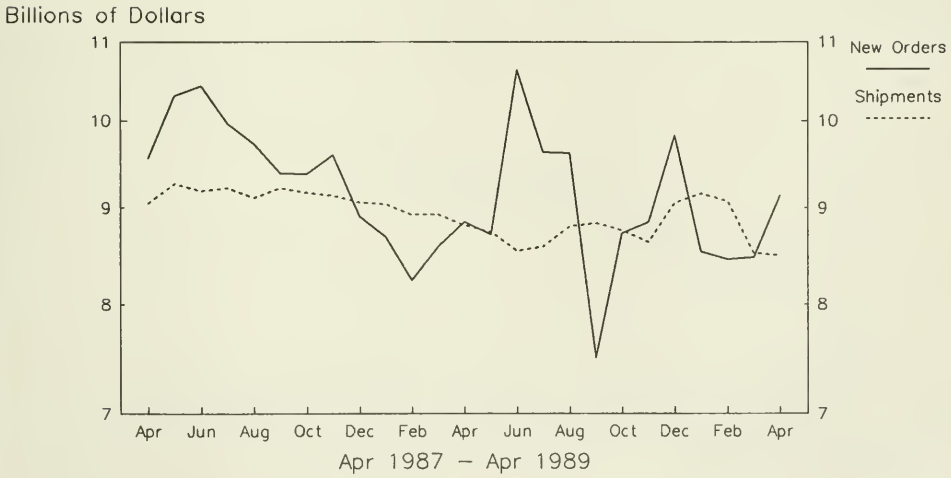


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

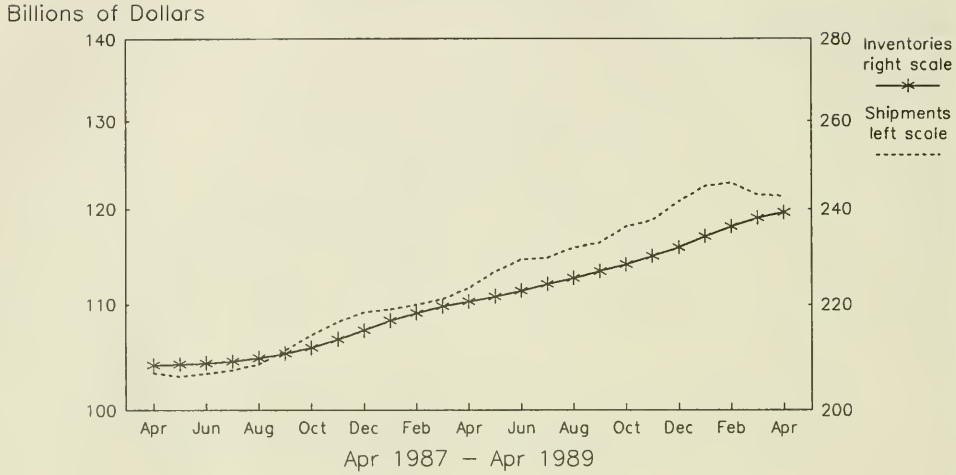


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

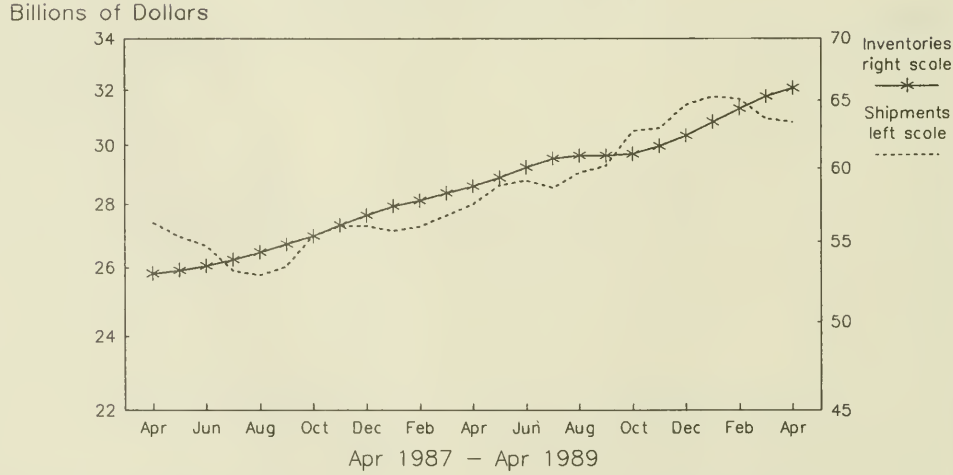


Note: All Charts based on seasonally adjusted current dollars.

Total Durable Goods
Shipments and Inventories
Three Month Moving Averages

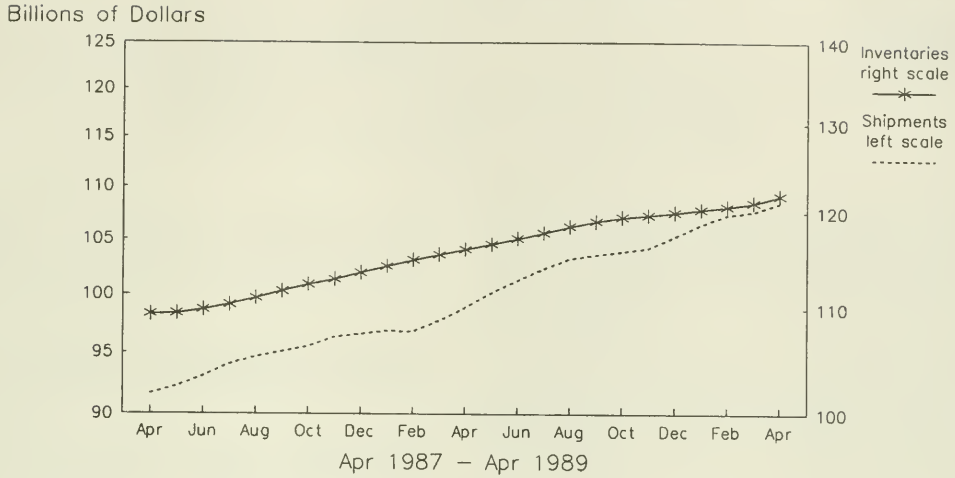


Transportation Equipment
Shipments and Inventories
Three Month Moving Averages

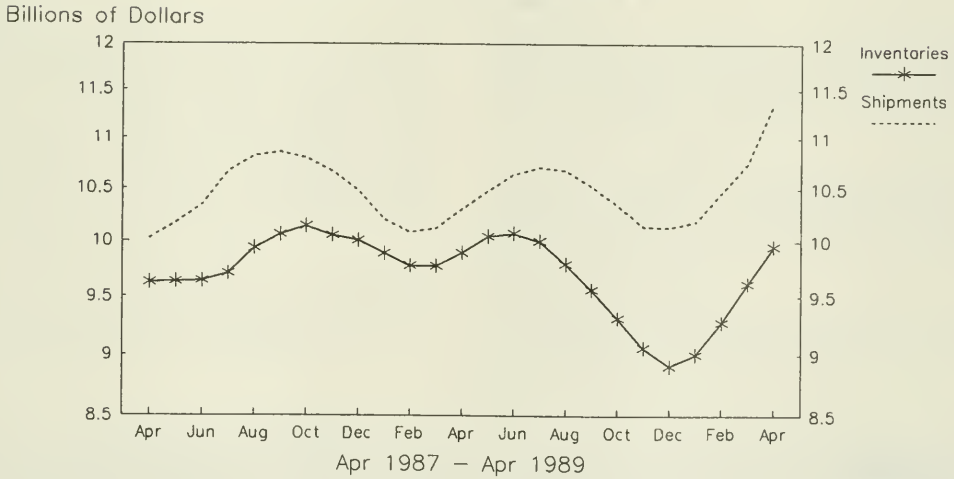


Note: All Charts based on seasonally adjusted current dollars.

Total Nondurable Goods
Shipments and Inventories
Three Month Moving Averages



Petroleum and Coal Products
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

3.158:
M3-1-(89)-5

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
SEP 22 1989
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
BUREAU OF THE CENSUS

May 1989
M3-1-(89)-5
For Wire Transmissions 10:00 a.m. E.D.T. Friday, June 30, 1989

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in May declined $5.9 billion or 2.5 percent to $234.0 billion, the Department of Commerce, Bureau of the Census reported today. The decrease offset most of the 3.0 percent increase in April. Orders have averaged $234.8 billion per month this year.

Shipments of manufactured goods were down $0.5 billion or 0.2 percent to $233.5 billion, following a 2.6 percent gain in April. Shipments have averaged $231.1 billion per month this year.

Unfilled orders for manufactured goods in May were up slightly, $0.4 billion or 0.1 percent to $487.7 billion. Although the increase was small, the number of consecutive monthly increases was extended to 27.

Manufacturers' inventories increased $2.0 billion or 0.6 percent to $365.5 billion, also extending the consecutive monthly increases to 27. The inventory to shipments ratio in May was 1.57 compared to 1.63 in February 1987, the beginning of the upward trend.

New Orders

Virtually all of the decline in new orders was in the durable goods sector which dropped $5.8 billion or 4.5 percent to $123.6 billion. Most of the major industries were down. Transportation equipment declined $3.5 billion or 9.6 percent to $33.5 billion; excluding aircraft and parts there was no change. Electrical machinery was down $1.2 billion or 5.8 percent to $18.7 billion, with nearly all categories decreasing. Nonelectrical machinery declined $0.7 billion or 3.3 percent to $22.0 billion. Over half the decrease was in construction, mining, and material handling equipment. Primary metals were down $0.2 billion or 1.3 percent to $12.7 billion.

New orders for nondurable goods were virtually unchanged from April at $110.4 billion. Declines in petroleum products, printing and publishing and apparel offset increases in most of the other industries.

Shipments

Most of the decline in shipments was for durable goods, down $0.3 billion or 0.3 percent to $123.0 billion. The largest decreases were in electrical machinery, down $0.3 billion or 1.5 percent to $20.0 billion, primary metals, down $0.2 billion or 1.4 percent to $12.3 billion and transportation equipment, down $0.1 billion or 0.4 percent to $31.4 billion.

Shipments of nondurable goods were down $0.2 billion or 0.2 percent to $110.5 billion. The largest decline was in petroleum products, down $0.4 billion or 2.9 percent to $12.0 billion. The largest increase was in food products, up $0.3 billion or 0.9 percent to $32.6 billion.

Unfilled Orders

Unfilled orders in May increased $0.4 billion or 0.1 percent to $487.7 billion. This is the smallest increase since the 0.1 percent rise in May 1988. Transportation equipment increased $2.2 billion or 0.9 percent to $233.6 billion, largely due to aircraft and parts. Excluding transportation, unfilled orders declined $1.7 billion or 0.7 percent.

Inventories

Inventories in both durable and nondurable sectors increased in May. About half of the increase in durables was in aircraft and parts, although virtually all categories were up. About half of the increase in nondurables was in chemicals, although all categories except foods and printing and publishing increased.

By stage of fabrication, inventories of materials and supplies in May were about unchanged from April. Work in process increased 0.7 percent, all in the durable sector. Finished goods were up 1.0 percent, with both durables and nondurables increasing.

Scheduled Release Dates

The advance report on durable goods for June is scheduled for July 25, 1989 at 8:30 a.m. and the full report on August 2, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry.	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1989p	Apr. 1989r	Mar. 1989	Apr.-May p	Mar.-Apr. r	Feb.-Mar.	May 1989p	Apr. 1989r	Mar. 1989	May 1988	May 89/88p	1989p	1988
All manufacturing industries	233,513	234,042	228,048	-0.2	+2.6	-0.1	234,075	235,253	238,698	216,450	+8.1	1,149,197	1,049,319
Manufacturing industries with unfilled orders	128,564	128,700	125,698	-0.1	+2.4	-0.3	127,661	128,124	133,044	118,682	+7.6	629,605	578,369
Durable goods industries	122,985	123,331	120,432	-0.3	+2.4	-0.4	124,173	125,254	128,704	116,049	+7.0	610,888	559,384
With unfilled orders	101,169	101,219	99,015	0.0	+2.2	+0.2	100,779	100,869	105,984	93,415	+7.9	495,757	453,236
Stone, clay, and glass products	5,412	5,451	5,150	-0.7	+5.8	-3.8	5,578	5,709	5,221	5,505	+1.3	26,421	25,706
Primary metals	12,311	12,486	12,377	-1.4	+0.9	-1.4	12,624	12,940	13,075	11,970	+5.5	63,725	57,284
Blast furnaces, steel mills	5,097	5,128	5,103	-0.6	+0.5	+0.5	5,281	5,391	5,365	5,256	+0.5	26,303	25,593
Iron and steel foundries	886	901	831	-1.7	+8.4	-6.6	939	932	876	947	-0.8	4,501	4,247
Nonferrous and other primary metals	6,328	6,457	6,443	-2.0	+0.2	-2.1	6,404	6,617	6,834	5,767	+11.0	32,921	27,444
Fabricated metal products	13,358	13,269	13,135	+0.7	+1.0	+0.7	13,779	13,591	14,012	12,338	+11.7	66,363	58,651
Machinery, except electrical	22,044	22,054	21,948	0.0	+0.5	0.0	21,769	22,010	24,125	20,147	+8.1	107,937	97,545
Engines and turbines	1,354	1,387	1,399	-2.4	-0.9	-5.7	1,355	1,418	1,606	1,316	+3.0	7,023	6,366
Construction, mining and material handling equipment	2,779	2,728	2,738	+1.9	-0.4	+2.1	2,837	2,892	2,903	2,549	+11.3	13,671	12,298
Metalworking machinery	1,028	1,031	1,015	-0.3	+1.6	+0.8	1,006	939	1,160	933	+7.8	4,909	4,410
Office and computing machines	5,779	5,869	5,888	-1.5	-0.3	+10.0	5,143	4,761	6,859	5,066	+1.5	25,636	24,931
Electrical machinery	19,998	20,299	19,541	-1.5	+3.9	+1.6	19,356	19,558	20,808	18,309	+5.7	96,442	90,399
Electrical transmission and distribution equipment and industrial apparatus	2,549	2,647	2,458	-3.7	+7.7	-3.5	2,495	2,601	2,670	2,239	+11.4	12,649	11,081
Household appliances	1,667	1,695	1,672	-1.7	+1.4	+2.2	1,640	1,672	1,718	1,509	+8.7	8,034	7,291
Radio and TV	999	1,012	996	-1.3	+1.6	+2.7	841	830	988	928	-9.4	4,405	4,193
Communication equipment	6,477	6,570	6,267	-1.4	+4.8	+6.5	6,278	6,200	6,982	5,793	+8.4	30,511	29,441
Electronic components	4,764	4,832	4,753	-1.4	+1.7	+1.3	4,712	4,952	5,087	4,514	+4.4	24,034	22,159
Other electrical machinery	3,542	3,543	3,395	0.0	+4.4	-2.8	3,390	3,303	3,363	3,326	+1.9	16,809	16,234
Transportation equipment	31,355	31,489	30,298	-0.4	+3.9	-1.3	32,582	32,854	32,811	30,383	+7.2	159,914	144,410
Motor vehicles and parts	19,913	20,146	18,941	-1.2	+6.4	-3.9	21,256	21,739	20,518	19,646	+8.2	105,449	91,730
Aircraft, missiles, and parts.	9,194	9,094	9,209	+1.1	-1.2	+4.7	8,998	8,742	10,025	8,580	+4.9	43,375	42,406
Shipbuilding and military tank vehicles	956	941	939	+1.6	+0.2	-1.1	969	906	932	887	+9.2	4,520	4,167
Instruments and related products	6,400	6,308	6,200	+1.5	+1.7	-0.9	6,353	6,085	6,535	5,894	+7.8	30,941	28,952
Scientific and engineering instruments	4,273	4,155	4,054	+2.8	+2.5	-2.5	4,235	4,048	4,323	3,943	+7.4	20,733	19,769
Photographic goods	1,981	1,999	1,985	-0.9	+0.7	+2.4	1,969	1,875	2,037	1,787	+10.2	9,413	8,258
All other durable goods	12,107	11,975	11,783	+1.1	+1.6	-0.6	12,132	12,507	12,117	11,503	+5.5	59,145	56,437
Nondurable goods industries	110,528	110,711	107,616	-0.2	+2.9	+0.2	109,902	109,999	109,994	100,401	+9.5	538,309	489,935
With unfilled orders	27,395	27,481	26,683	-0.3	+3.0	-2.0	26,882	27,255	27,060	25,267	+6.4	133,848	125,133
Food and kindred products	32,571	32,283	32,364	+0.9	-0.3	+1.6	32,523	31,613	32,928	29,130	+11.6	158,286	141,281
Dairy products	4,194	4,221	4,229	-0.6	-0.2	+1.5	4,290	4,204	4,276	4,081	+5.1	20,823	19,696
Beverages	4,265	4,224	4,250	+1.0	-0.6	+1.1	4,529	4,499	4,108	4,173	+8.5	20,675	19,097
All other foods	15,408	15,070	14,896	+2.2	+1.2	+0.6	14,915	14,329	15,824	13,028	+14.5	74,313	64,853
Tobacco products	2,129	2,104	2,003	+1.2	+5.0	+10.1	2,267	1,733	2,392	2,244	+1.0	9,184	8,245
Textile mill products	5,438	5,337	5,333	+1.9	+0.1	-2.3	5,415	5,236	5,615	4,888	+10.8	26,405	23,732
Broadwoven fabrics	3,431	3,338	3,201	+2.8	+4.3	-2.5	3,489	3,209	3,415	3,129	+11.5	16,295	14,877
Paper and allied products	10,922	10,927	10,896	0.0	+0.3	+0.9	10,810	11,001	11,098	10,201	+6.0	54,767	50,424
Pulp, paper etc.	4,923	4,871	4,812	+1.1	+1.2	-1.4	4,865	4,959	4,928	4,480	+8.6	24,698	22,448
Paperboard containers	2,730	2,750	2,787	-0.7	-1.3	+3.2	2,755	2,785	2,806	2,572	+7.1	13,614	12,193
All other paper products	3,269	3,306	3,297	-1.1	+0.3	+2.3	3,190	3,257	3,364	3,149	+1.3	16,455	15,783
Chemicals and allied products	21,552	21,497	20,862	+0.3	+3.0	-0.8	21,858	22,413	21,960	19,838	+10.2	108,567	98,678
Industrial chemicals, except pigments	5,887	6,005	5,758	-2.0	+4.3	-4.4	5,958	6,252	6,058	5,642	+5.6	30,205	27,154
Drugs, soaps, and toiletries	6,797	6,636	6,504	+2.4	+2.0	+1.4	6,240	6,201	6,727	5,455	+14.4	32,273	29,323
Other chemical products	5,845	5,796	5,685	+0.8	+2.0	+0.2	5,944	5,952	5,803	5,349	+11.1	29,173	26,503
Petroleum and coal products	11,950	12,306	11,090	-2.9	+11.0	+2.8	11,899	12,094	10,611	10,556	+12.7	54,810	50,130
Rubber and plastics products	8,211	8,174	7,875	+0.5	+3.8	-1.4	8,425	8,466	8,162	7,662	+10.0	41,138	36,645
All other nondurable goods	17,755	18,083	17,193	-1.8	+5.2	-2.9	16,705	17,443	17,228	15,882	+5.2	85,152	81,021
Market categories:													
Home goods and apparel	14,782	14,894	14,608	-0.8	+2.0	-1.3	13,812	14,207	15,240	13,173	+4.9	71,236	67,147
Consumer staples	46,096	45,727	44,969	+0.8	+1.7	+0.9	45,614	44,264	46,003	41,085	+11.0	221,014	198,505
Equipment and defense prod. except automotive	38,447	38,337	37,802	+0.3	+1.4	+1.7	37,769	37,337	41,261	34,981	+8.0	184,049	171,220
Automotive equipment	22,353	22,522	21,351	-0.8	+5.5	-3.6	23,795	24,337	23,044	22,119	+7.6	117,643	103,312
Construction materials, supplies and intermediate products	17,248	17,473	17,251	-1.3	+1.3	-0.9	17,681	18,393	17,653	17,493	+1.1	86,016	82,571
Other materials, supplies, and intermediate products	94,587	95,089	92,067	-0.5	+3.3	-0.2	95,404	96,715	95,497	87,599	+8.9	469,239	426,564
Supplementary series:[2]													
Capital goods industries	43,161	43,232	42,528	-0.2	+1.7	+1.6	42,049	41,692	46,042	38,994	+7.8	206,165	191,433
Nondefense	34,469	34,599	34,079	-0.4	+1.5	+1.9	33,557	33,618	36,864	30,864	+8.7	165,014	149,194
Excluding aircraft and parts	29,975	30,244	29,369	-0.9	+3.0	-0.1	29,121	29,325	31,657	26,755	+8.8	143,850	130,030
Defense	8,692	8,633	8,449	+0.7	+2.2	+0.5	8,492	8,074	9,178	8,130	+4.5	41,151	42,239
Household durable goods industries	6,970	6,977	6,864	-0.1	+1.6	-1.3	6,708	6,762	7,330	6,401	+4.8	33,590	31,573

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1989[p]	Apr. 1989[r]	Mar. 1989	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1989[p]	Apr. 1989[r]	Mar. 1989	May 1988	May 89/88[p]	1989[p]	1988
All manufacturing industries	233,948	239,907	233,011	-2.5	+3.0	+0.7	231,069	240,054	246,325	214,369	+7.8	1,175,317	1,070,984
Manufacturing industries with unfilled orders	128,999	134,565	130,661	-4.1	+3.0	+1.3	124,655	132,925	140,671	116,601	+6.9	655,725	600,034
Durable goods industries	123,566	129,372	125,377	-4.5	+3.2	+1.0	121,489	130,202	135,749	114,133	+6.4	636,542	580,147
With unfilled orders	101,750	107,260	103,960	-5.1	+3.2	+1.9	98,095	105,817	113,029	91,499	+7.2	521,411	473,999
Stone, clay, and glass products	5,469	5,397	5,007	+1.3	+7.8	-6.0	5,650	5,536	5,101	5,596	+1.0	26,443	26,328
Primary metals	12,696	12,865	11,885	-1.3	+8.2	-5.7	12,399	13,001	12,846	11,870	+4.5	65,560	59,642
Blast furnaces, steel mills	5,075	4,741	4,635	+7.0	+2.3	-9.3	4,848	4,984	4,800	5,155	-6.0	26,617	26,021
Iron and steel foundries	924	961	838	-3.9	+14.7	-9.1	907	1,022	869	919	-1.3	4,756	4,422
Nonferrous and other primary metals	6,697	7,163	6,412	-6.5	+11.7	-2.4	6,644	6,995	7,177	5,796	+14.6	34,187	29,199
Fabricated metal products	12,789	13,007	12,910	-1.7	+0.8	-3.5	13,204	13,239	13,908	12,427	+6.3	65,711	58,569
Machinery, except electrical	21,991	22,731	22,255	-3.3	+2.1	+1.5	21,520	22,765	24,304	20,769	+3.6	110,686	101,821
Engines and turbines	1,459	1,433	1,368	+1.8	+4.8	-24.2	1,491	1,323	1,466	1,338	+11.4	7,268	5,875
Construction, mining and material handling equipment	2,674	3,124	3,103	-14.4	+0.7	+14.5	2,588	3,188	3,391	2,435	+6.3	14,421	12,742
Metalworking machinery	958	919	953	+4.2	-3.6	-5.8	907	946	1,116	1,024	-11.4	4,992	5,223
Office and computing machines	5,608	5,702	5,939	-1.6	-4.0	+19.5	5,154	4,875	6,721	5,218	-1.2	25,622	25,527
Electrical machinery	18,738	19,890	18,272	-5.8	+8.9	-6.6	17,745	18,916	19,903	18,122	-2.1	94,861	92,303
Electrical transmission and distribution equipment and industrial apparatus	2,450	2,656	2,493	-7.8	+6.5	-3.1	2,383	2,601	2,684	2,231	+6.8	13,071	11,334
Communication equipment	5,979	6,174	5,323	-3.2	+16.0	-16.6	5,215	5,396	6,221	5,508	-5.3	28,737	29,131
Electronic components	4,370	4,846	4,373	-9.8	+10.8	-4.1	4,314	5,250	4,903	4,590	-6.0	23,708	23,832
Other electrical machinery	3,480	3,451	3,565	+0.8	-3.2	+7.6	3,366	3,256	3,490	3,345	+0.6	16,808	16,569
Transportation equipment	33,520	37,062	37,050	-9.6	0.0	+11.0	32,565	37,755	40,392	27,835	+17.0	181,234	153,891
Aircraft, missiles, and parts.	11,603	15,240	15,892	-23.9	-4.1	+48.1	9,480	14,299	17,551	6,750	+40.4	64,869	50,920
Shipbuilding and military tank vehicles	1,001	388	824	158.0	-52.9	-45.2	1,032	328	827	493	109.3	4,153	5,156
Instruments and related products	6,330	6,385	6,224	-0.9	+2.6	+2.1	6,266	6,124	6,553	6,010	+4.3	30,694	29,294
Scientific and engineering instruments	4,215	4,260	4,031	-1.1	+5.7	+0.6	4,153	4,109	4,286	4,054	+2.4	20,503	20,093
All other durable goods	12,033	12,035	11,774	0.0	+2.2	-0.5	12,140	12,866	12,742	11,504	+5.5	61,353	58,299
Nondurable goods industries	110,382	110,535	107,634	-0.1	+2.7	+0.4	109,580	109,852	110,576	100,236	+9.3	538,775	490,837
With unfilled orders	27,249	27,305	26,701	-0.2	+2.3	-1.1	26,560	27,108	27,642	25,102	+5.8	134,314	126,035
Market categories:													
Home goods and apparel	14,498	14,977	14,473	-3.2	+3.5	-1.2	13,742	14,406	15,814	12,980	+5.9	73,713	69,160
Consumer staples	45,989	45,683	44,945	+0.7	+1.6	+0.9	45,426	44,225	45,977	40,991	+10.8	220,714	198,528
Equipment and defense prod. except automotive	39,695	43,728	41,711	-9.2	+4.8	+3.0	37,056	41,888	45,283	33,002	+12.3	201,501	179,450
Automotive equipment	22,120	22,344	21,342	-1.0	+4.7	-3.6	23,289	24,101	23,011	21,793	+6.9	117,111	103,003
Construction materials, supplies and intermediate products	17,180	17,366	17,106	-1.1	+1.5	-0.4	17,639	18,248	17,599	17,532	+0.6	85,860	83,560
Other materials, supplies, and intermediate products	94,466	95,809	93,434	-1.4	+2.5	+1.2	93,917	97,186	98,641	88,071	+6.6	476,418	437,283
Supplementary series:													
Capital goods industries	44,600	48,940	48,598	-8.9	+0.7	+7.2	40,776	46,466	53,007	36,928	+10.4	228,990	204,596
Nondefense	36,929	40,389	38,137	-8.6	+5.9	+2.5	35,518	39,247	40,629	30,579	+16.2	188,740	161,387
Excluding aircraft and parts	29,720	30,822	30,056	-3.6	+2.5	+1.0	28,367	29,742	32,051	27,140	+4.5	147,360	134,940
Defense	7,671	8,551	10,461	-10.3	-18.3	+28.2	5,258	7,219	12,378	6,349	-17.2	40,250	43,209
Household durable goods industries	6,696	7,119	6,703	-5.9	+6.2	-1.6	6,564	6,978	7,781	6,263	+4.8	35,467	33,162

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	May 1989p	Apr. 1989r	Mar. 1989	Apr.-Mayp	Mar.-Apr.r	Feb.-Mar.	May 1989p	Apr. 1989r	Mar. 1989	May 1988	May 89/88p
All manufacturing industries	487,666	487,231	481,366	+0.1	+1.2	+1.0	490,054	493,060	488,259	437,663	+12.0
Durable goods industries	467,519	466,938	460,897	+0.1	+1.3	+1.1	469,611	472,295	467,347	417,326	+12.5
Stone, clay, and glass products	5,562	5,505	5,559	+1.0	-1.0	-2.5	5,634	5,562	5,735	5,699	-1.1
Primary metals	26,268	25,883	25,504	+1.5	+1.5	-1.9	26,979	27,204	27,143	25,536	+5.7
Blast furnaces, steel mills	10,676	10,698	11,085	-0.2	-3.5	-4.1	11,039	11,472	11,879	11,853	-6.9
Iron and steel foundries	2,442	2,404	2,344	+1.6	+2.6	+0.3	2,435	2,467	2,377	2,106	+15.6
Nonferrous and other primary metals	13,150	12,781	12,075	+2.9	+5.8	-0.3	13,505	13,265	12,887	11,577	+16.7
Fabricated metal products	27,468	28,037	28,299	-2.0	-0.9	-0.8	27,540	28,115	28,467	29,567	-6.9
Machinery, except electrical	61,769	61,822	61,145	-0.1	+1.1	+0.5	62,028	62,277	61,522	56,267	+10.2
Engines and turbines	5,030	4,925	4,879	+2.1	+0.9	-0.6	4,847	4,711	4,806	4,831	+.3
Construction, mining and material handling equipment	9,245	9,350	8,954	-1.1	+4.4	+4.2	9,273	9,522	9,226	7,497	+23.7
Metalworking machinery	4,722	4,792	4,904	-1.5	-2.3	-1.2	4,665	4,764	4,757	3,549	+31.4
Office and computing machines	12,863	13,034	13,201	-1.3	-1.3	+0.4	13,056	13,045	12,931	14,112	-7.5
Electrical machinery	90,677	91,937	92,346	-1.4	-0.4	-1.4	90,809	92,420	93,062	94,048	-3.4
Electrical transmission and distribution equipment and industrial apparatus	7,246	7,345	7,336	-1.3	+0.1	+0.5	7,270	7,382	7,382	6,639	+9.5
Communication equipment	64,015	64,513	64,909	-0.8	-0.6	-1.4	63,762	64,825	65,629	66,052	-3.5
Electronic components	13,709	14,103	14,089	-2.8	+0.1	-2.6	14,079	14,477	14,179	16,016	-12.1
Other electrical machinery	4,672	4,734	4,826	-1.3	-1.9	+3.7	4,663	4,687	4,734	4,449	+4.8
Transportation equipment	233,592	231,427	225,854	+0.9	+2.5	+3.1	233,787	233,804	228,903	184,190	+26.9
Aircraft, missiles, and parts.	196,348	193,939	187,793	+1.2	+3.3	+3.7	196,626	196,144	190,587	153,920	+27.7
Shipbuilding and military tank vehicles	25,877	25,832	26,385	+0.2	-2.1	-0.4	25,870	25,807	26,385	19,768	+30.9
Instruments and related products	14,541	14,611	14,534	-0.5	+0.5	+0.2	14,453	14,540	14,501	13,840	+4.4
Scientific and engineering instruments	13,498	13,556	13,451	-0.4	+0.8	-0.2	13,417	13,499	13,438	12,884	+4.1
All other durable goods	7,642	7,716	7,656	-1.0	+0.8	-0.1	8,381	8,373	8,014	8,179	+2.5
Nondurable goods industries	20,147	20,293	20,469	-0.7	-0.9	+0.1	20,443	20,765	20,912	20,337	+.5
Market categories:											
Home goods and apparel	8,249	8,533	8,450	-3.3	+1.0	-1.6	9,052	9,122	8,923	9,091	-.4
Consumer staples	580	687	731	-15.6	-6.0	-3.2	544	732	771	691	-21.3
Equipment and defense prod. except automotive	303,923	302,675	297,284	+0.4	+1.8	+1.3	304,149	304,862	300,311	260,422	+16.8
Automotive equipment	8,407	8,640	8,818	-2.7	-2.0	-0.1	8,331	8,837	9,073	8,894	-6.3
Construction materials, supplies and intermediate products	14,774	14,842	14,949	-0.5	-0.7	-1.0	14,985	15,027	15,172	15,584	-3.8
Other materials, supplies, and intermediate products	151,733	151,854	151,134	-0.1	+0.5	+0.9	152,993	154,480	154,009	142,981	+7.0
Supplementary series:											
Capital goods industries	366,851	365,412	359,704	+0.4	+1.6	+1.7	367,068	368,341	363,567	314,145	+16.8
Nondefense	202,704	200,244	194,454	+1.2	+3.0	+2.1	202,499	200,538	194,909	151,053	+34.1
Excluding aircraft and parts	90,455	90 710	90,132	-0.3	+0.6	+0.8	90,250	91,004	90,587	82,622	+9.2
Defense	164,147	165,168	165,250	-0.6	0.0	+1.2	164,569	167,803	168,658	163,092	+.9
Household durable goods industries	5,960	6,234	6,092	-4.4	+2.3	-2.6	6,606	6,750	6,534	6,536	+1.1

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	May 1989[p]	Apr. 1989[r]	Mar. 1989	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1989[p]	Apr. 1989[r]	Mar. 1989	May 1988	May 89/88[p]
All manufacturing industries	365,475	363,458	361,130	+0.6	+0.6	+0.6	368,862	365,848	362,082	343,446	+7.4
Manufacturing industries with unfilled orders	254,310	252,883	251,770	+0.6	+0.4	+0.5	257,586	254,618	251,977	238,016	+8.2
Durable goods industries	241,900	240,486	239,330	+0.6	+0.5	+0.5	244,752	242,195	240,180	225,646	+8.5
With unfilled orders	223,684	222,425	221,353	+0.6	+0.5	+0.6	226,336	223,721	221,408	208,059	+8.8
Stone, clay, and glass products	7,765	7,704	7,630	+0.8	+1.0	+0.3	8,029	7,890	7,813	7,533	+6.6
Primary metals	21,237	21,036	20,880	+1.0	+0.7	+0.5	21,398	21,123	20,757	19,059	+12.3
Blast furnaces, steel mills	10,542	10,563	10,537	-0.2	+0.2	+1.8	10,563	10,396	10,251	9,109	+16.0
Iron and steel foundries	1,325	1,351	1,391	-1.9	-2.9	+0.4	1,371	1,423	1,465	1,292	+6.1
Nonferrous and other primary metals	9,370	9,122	8,952	+2.7	+1.9	-1.1	9,464	9,304	9,041	8,658	+9.3
Fabricated metal products	23,982	23,947	23,962	+0.1	-0.1	+0.8	24,266	24,266	24,214	23,428	+3.6
Machinery, except electrical	47,809	47,660	47,730	+0.3	-0.1	+0.4	48,346	48,102	47,925	44,133	+9.5
Engines and turbines	3,102	3,090	3,066	+0.4	+0.8	0.0	3,131	3,088	3,020	2,855	+9.7
Construction, mining and material handling equipment	7,656	7,663	7,604	-0.1	+0.8	-1.7	7,725	7,747	7,692	7,083	+9.1
Metalworking machinery	3,236	3,176	3,123	+1.9	+1.7	+0.6	3,275	3,160	3,115	2,781	+17.8
Office and computing machines	12,127	12,129	12,227	0.0	-0.8	-0.5	12,309	12,247	12,080	11,339	+8.6
Electrical machinery	41,714	41,553	41,288	+0.4	+0.6	-0.2	42,404	41,904	41,110	40,080	+5.8
Electrical transmission and distribution equipment and industrial apparatus	5,056	5,194	5,174	-2.7	+0.4	+0.2	5,159	5,300	5,195	5,121	+.7
Household appliances	2,914	2,918	2,914	-0.1	+0.1	-1.1	3,165	3,122	3,038	3,070	+3.1
Radio and TV	1,709	1,680	1,667	+1.7	+0.8	+3.0	1,779	1,712	1,583	1,388	+28.2
Communication equipment	16,751	16,484	16,293	+1.6	+1.2	+0.3	16,798	16,443	16,087	16,257	+3.3
Electronic components	8,942	8,920	8,904	+0.2	+0.2	+0.1	8,996	8,893	8,857	8,110	+10.9
Other electrical machinery	6,342	6,357	6,336	-0.2	+0.3	-2.5	6,507	6,434	6,350	6,134	+6.1
Transportation equipment	67,509	66,681	65,996	+1.2	+1.0	+1.0	67,928	66,656	66,274	60,244	+12.8
Motor vehicles and parts	12,223	12,134	12,169	+0.7	-0.3	-0.6	12,126	12,170	12,379	11,308	+7.2
Aircraft, missiles, and parts.	50,840	49,983	49,553	+1.7	+0.9	+1.7	51,318	49,943	49,600	44,909	+14.3
Shipbuilding and military tank vehicles	2,220	2,261	2,169	-1.8	+4.2	-7.2	2,245	2,293	2,147	2,071	+8.4
Instruments and related products	14,111	14,361	14,336	-1.7	+0.2	+0.8	14,370	14,415	14,256	13,378	+7.4
Scientific and engineering instruments	10,311	10,558	10,543	-2.3	+0.1	+0.5	10,466	10,546	10,517	9,872	+6.0
Photographic goods	3,191	3,172	3,160	+0.6	+0.4	+1.9	3,280	3,234	3,114	2,908	+12.8
All other durable goods	17,773	17,544	17,508	+1.3	+0.2	0.0	18,011	17,839	17,831	17,791	+1.2
Nondurable goods industries	123,575	122,972	121,800	+0.5	+1.0	+0.8	124,110	123,653	121,902	117,800	+5.4
With unfilled orders	30,626	30,458	30,417	+0.6	+0.1	-0.4	31,250	30,897	30,569	29,957	+4.3
Food and kindred products	26,426	26,588	26,301	-0.6	+1.1	+0.2	25,463	26,036	25,721	24,299	+4.8
Dairy products	2,432	2,450	2,485	-0.7	-1.4	-1.0	2,500	2,506	2,461	2,306	+8.4
Beverages	4,373	4,357	4,368	+0.4	-0.3	+1.0	4,425	4,454	4,423	4,475	-1.1
All other foods	15,085	15,102	14,725	-0.1	+2.6	-0.3	14,074	14,275	14,051	13,393	+5.1
Tobacco products	5,415	5,403	5,372	+0.2	+0.6	-1.1	5,339	5,525	5,545	5,529	-3.4
Textile mill products	7,798	7,648	7,495	+2.0	+2.0	-1.5	8,052	7,867	7,598	7,823	+2.9
Broadwoven fabrics	4,458	4,396	4,332	+1.4	+1.5	-1.5	4,556	4,518	4,404	4,556	.0
Paper and allied products	12,036	11,943	11,905	+0.8	+0.3	-0.3	12,272	12,173	12,070	11,626	+5.6
Pulp, paper etc.	4,676	4,610	4,546	+1.4	+1.4	+1.6	4,741	4,694	4,642	4,015	+18.1
Paperboard containers	3,026	3,029	2,973	-0.1	+1.9	-2.1	3,096	3,104	3,048	3,272	-5.4
All other paper products	4,334	4,304	4,386	+0.7	-1.9	-1.0	4,435	4,375	4,380	4,339	+2.2
Chemicals and allied products	29,194	28,816	28,510	+1.3	+1.1	+2.3	29,238	29,035	28,813	25,892	+12.9
Industrial chemicals, except pigments	8,193	7,979	7,938	+2.7	+0.5	+4.0	8,168	8,005	7,989	6,658	+22.7
Drugs, soaps, and toiletries	9,559	9,553	9,426	+0.1	+1.3	+1.1	9,721	9,652	9,413	9,329	+4.2
Other chemical products	7,232	7,128	7,066	+1.5	+0.9	+1.2	7,290	7,236	7,155	6,441	+13.2
Petroleum and coal products	10,385	10,346	9,897	+0.4	+4.5	+3.3	10,444	10,249	9,640	10,152	+2.9
Rubber and plastics products	10,670	10,555	10,572	+1.1	-0.2	+1.6	10,898	10,798	10,905	9,634	+13.1
All other nondurable goods	21,651	21,673	21,748	-0.1	-0.3	-0.3	22,404	21,970	21,610	22,845	-1.9
Market categories:											
Home goods and apparel	26,367	26,257	26,053	+0.4	+0.8	0.0	27,532	26,866	26,037	27,828	-1.1
Consumer staples	44,949	44,977	44,454	-0.1	+1.2	+0.4	44,235	44,724	44,142	42,408	+4.3
Equipment and defense prod. except automotive	109,587	109,160	108,309	+0.4	+0.8	+0.7	110,642	109,673	108,440	100,612	+10.0
Automotive equipment	15,223	15,165	15,013	+0.4	+1.0	-0.2	15,208	15,207	15,357	14,032	+8.4
Construction materials, supplies and intermediate products	25,445	24,986	25,042	+1.8	-0.2	-0.1	26,010	25,572	25,605	25,339	+2.6
Other materials, supplies, and intermediate products	143,904	142,913	142,259	+0.7	+0.5	+0.8	145,235	143,806	142,501	133,227	+9.0
Supplementary series:[2]											
Capital goods industries	126,546	125,413	124,742	+0.9	+0.5	+0.6	127,962	125,989	124,631	116,165	+10.2
Nondefense	89,739	89,051	88,326	+0.8	+0.8	+0.1	90,678	89,629	88,160	81,106	+11.8
Excluding aircraft and parts	65,835	65,635	65,495	+0.3	+0.2	-0.2	66,773	66,288	65,482	61,398	+8.8
Defense	36,807	36,362	36,416	+1.2	-0.1	+1.7	37,284	36,360	36,471	35,059	+6.3
Household durable goods industries	13,104	13,110	13,046	0.0	+0.5	+0.9	13,558	13,382	13,059	13,068	+3.7

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1989[p]	Apr. 1989[r]	Mar. 1989	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1989[p]	Apr. 1989[r]	Mar. 1989	May 1988	May 89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,552	113,667	114,136	-0.1	-0.4	+0.3	113,416	113,924	114,169	108,853	+4.2
Durable goods industries	66,975	66,887	67,278	+0.1	-0.6	+0.6	66,715	66,721	66,961	62,891	+6.1
Stone, clay, and glass products	2,533	2,533	2,529	0.0	+0.2	+0.7	2,559	2,540	2,527	2,427	+5.4
Primary metals	6,588	6,476	6,448	+1.7	+0.4	+0.4	6,380	6,274	6,187	5,787	+10.2
Fabricated metal products	8,799	8,797	8,954	0.0	-1.8	+1.5	8,766	8,785	8,952	8,332	+5.2
Machinery, except electrical	13,134	13,120	13,353	+0.1	-1.7	+1.4	13,081	13,140	13,280	12,297	+6.4
Electrical machinery	11,155	11,221	11,271	-0.6	-0.4	-0.6	11,282	11,318	11,267	10,580	+6.6
Transportation equipment	13,135	13,085	13,055	+0.4	+0.2	+1.3	13,089	13,107	13,132	12,375	+5.8
Instruments and related products	4,693	4,751	4,812	-1.2	-1.3	-0.8	4,738	4,748	4,774	4,332	+9.4
Lumber, furniture and miscellaneous durable goods	6,938	6,904	6,856	+0.5	+0.7	+0.2	6,820	6,809	6,842	6,761	+.9
Nondurable goods industries	46,577	46,780	46,858	-0.4	-0.2	-0.1	46,701	47,203	47,208	45,962	+1.6
Food and kindred products	8,600	9,017	9,082	-4.6	-0.7	+0.8	8,539	9,139	9,075	9,084	-6.0
Tobacco products	4,073	4,078	4,053	-0.1	+0.6	-1.1	4,064	4,130	4,222	4,318	-5.9
Textile mill products	2,290	2,239	2,201	+2.3	+1.7	-1.2	2,393	2,334	2,253	2,406	-.5
Paper and allied products	6,496	6,423	6,438	+1.1	-0.2	-0.8	6,516	6,488	6,536	6,243	+4.4
Chemicals and allied products	10,270	10,170	10,128	+1.0	+0.4	+0.8	10,236	10,138	10,132	9,067	+12.9
Petroleum and coal products	2,351	2,390	2,306	-1.6	+3.6	+3.6	2,377	2,444	2,292	2,523	-5.8
Rubber and plastics products	4,102	4,111	4,160	-0.2	-1.2	-0.9	4,124	4,113	4,195	3,752	+9.9
Apparel, printing and publishing and leather goods	8,395	8,352	8,490	+0.5	-1.6	-1.3	8,452	8,417	8,503	8,569	-1.4
WORK IN PROCESS											
All manufacturing industries	134,796	133,874	131,630	+0.7	+1.7	+1.5	135,893	134,237	132,034	123,726	+9.8
Durable goods industries	114,428	113,381	111,555	+0.9	+1.6	+1.3	115,408	113,700	111,947	104,495	+10.4
Stone, clay, and glass products	1,162	1,160	1,137	+0.2	+2.0	+0.8	1,174	1,191	1,179	1,177	-.3
Primary metals	8,937	8,889	8,710	+0.5	+2.1	+2.3	9,047	9,003	8,811	7,736	+16.9
Fabricated metal products	8,349	8,379	8,280	-0.4	+1.2	+0.1	8,493	8,551	8,394	8,363	+1.6
Machinery, except electrical	19,751	19,411	18,921	+1.8	+2.6	+1.4	19,909	19,537	19,103	17,646	+12.8
Electrical machinery	20,570	20,421	20,227	+0.7	+1.0	+0.6	20,660	20,352	19,978	19,774	+4.5
Transportation equipment	46,584	45,995	45,241	+1.3	+1.7	+2.0	46,889	45,844	45,373	40,818	+14.9
Instruments and related products	5,372	5,494	5,462	-2.2	+0.6	+1.1	5,499	5,529	5,456	5,352	+2.7
Lumber, furniture and miscellaneous durable goods	3,703	3,632	3,577	+2.0	+1.5	-2.4	3,737	3,693	3,653	3,629	+3.0
Nondurable goods industries	20,368	20,493	20,075	-0.6	+2.1	+2.8	20,485	20,537	20,087	19,231	+6.5
Food and kindred products	2,751	2,732	2,744	+0.7	-0.4	+2.6	2,663	2,720	2,750	2,519	+5.7
Tobacco products	273	276	288	-1.1	-4.2	+3.6	224	228	247	199	+12.6
Textile mill products	2,429	2,407	2,380	+0.9	+1.1	+0.8	2,460	2,437	2,408	2,329	+5.6
Paper and allied products	1,357	1,369	1,346	-0.9	+1.7	+3.8	1,364	1,372	1,334	1,279	+6.6
Chemicals and allied products	4,577	4,615	4,459	-0.8	+3.5	+1.5	4,644	4,601	4,447	4,238	+9.6
Petroleum and coal products	2,920	2,964	2,769	-1.5	+7.0	+6.6	2,952	2,930	2,687	2,565	+15.1
Rubber and plastics products	1,515	1,501	1,486	+0.9	+1.0	+6.9	1,487	1,472	1,501	1,386	+7.3
Apparel, printing and publishing and leather goods	4,546	4,629	4,603	-1.8	+0.6	+1.6	4,691	4,777	4,713	4,716	-.5
FINISHED GOODS											
All manufacturing industries	117,127	115,917	115,364	+1.0	+0.5	-0.3	119,553	117,687	115,879	110,867	+7.8
Durable goods industries	60,497	60,218	60,497	+0.5	-0.5	-1.1	62,629	61,774	61,272	58,260	+7.5
Stone, clay, and glass products	4,070	4,011	3,964	+1.5	+1.2	-0.1	4,296	4,159	4,107	3,929	+9.3
Primary metals	5,712	5,671	5,722	+0.7	-0.9	-2.2	5,971	5,846	5,759	5,536	+7.9
Fabricated metal products	6,834	6,771	6,728	+0.9	+0.6	+0.8	7,007	6,930	6,868	6,733	+4.1
Machinery, except electrical	14,924	15,129	15,456	-1.4	-2.1	-1.6	15,356	15,425	15,542	14,190	+8.2
Electrical machinery	9,989	9,911	9,790	+0.8	+1.2	-1.4	10,462	10,234	9,865	9,726	+7.6
Transportation equipment	7,790	7,601	7,700	+2.5	-1.3	-5.0	7,950	7,705	7,769	7,051	+12.7
Instruments and related products	4,046	4,116	4,062	-1.7	+1.3	+2.5	4,133	4,138	4,026	3,694	+11.9
Lumber, furniture and miscellaneous durable goods	7,132	7,008	7,075	+1.8	-0.9	+1.0	7,454	7,337	7,336	7,401	+.7
Nondurable goods industries	56,630	55,699	54,867	+1.7	+1.5	+0.7	56,924	55,913	54,607	52,607	+8.2
Food and kindred products	15,075	14,839	14,475	+1.6	+2.5	-0.6	14,261	14,177	13,896	12,696	+12.3
Tobacco products	1,069	1,049	1,031	+1.9	+1.7	-2.4	1,051	1,167	1,076	1,012	+3.9
Textile mill products	3,079	3,002	2,914	+2.6	+3.0	-3.4	3,199	3,096	2,937	3,088	+3.6
Paper and allied products	4,183	4,151	4,121	+0.8	+0.7	-0.7	4,392	4,313	4,200	4,104	+7.0
Chemicals and allied products	14,347	14,031	13,923	+2.3	+0.8	+3.6	14,358	14,296	14,234	12,587	+14.1
Petroleum and coal products	5,114	4,992	4,822	+2.4	+3.5	+1.4	5,115	4,875	4,661	5,064	+1.0
Rubber and plastics products	5,053	4,943	4,926	+2.2	+0.3	+2.3	5,287	5,213	5,209	4,496	+17.6
Apparel, printing and publishing and leather goods	8,710	8,692	8,655	+0.2	+0.4	-0.2	9,261	8,776	8,394	9,560	-3.1

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1989[p]	Apr. 1989[r]	Mar. 1989	Feb. 1988	May 1989[p]	Apr. 1989[r]	Mar. 1989	Feb. 1988
All manufacturing industries	1.57	1.55	1.58	1.57	3.79	3.79	3.83	3.78
Durable goods industries	1.97	1.95	1.99	1.97	4.62	4.61	4.65	4.61
Stone, clay, and glass products	1.43	1.41	1.48	1.42	1.12	1.10	1.17	1.15
Primary metals	1.73	1.68	1.69	1.66	2.13	2.07	2.06	2.07
Fabricated metal products	1.80	1.80	1.82	1.82	2.27	2.33	2.38	2.41
Machinery, except electrical	2.17	2.16	2.17	2.17	2.96	2.96	2.95	2.94
Electrical machinery	2.09	2.05	2.11	2.15	4.53	4.53	4.73	4.87
Transportation equipment	2.15	2.12	2.18	2.13	12.87	12.84	12.99	12.76
Instruments and related products	2.20	2.28	2.31	2.27	2.27	2.32	2.34	2.32
Nondurable goods industries	1.12	1.11	1.13	1.13	0.74	0.74	0.77	0.75
Food and kindred products	0.81	0.82	0.81	0.82	(X)	(X)	(X)	(X)
Tobacco products	2.54	2.57	2.68	2.99	(X)	(X)	(X)	(X)
Textile mill products	1.43	1.43	1.41	1.39	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.10	1.09	1.09	1.11	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.34	1.37	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products	0.87	0.84	0.89	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.29	1.34	1.30	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

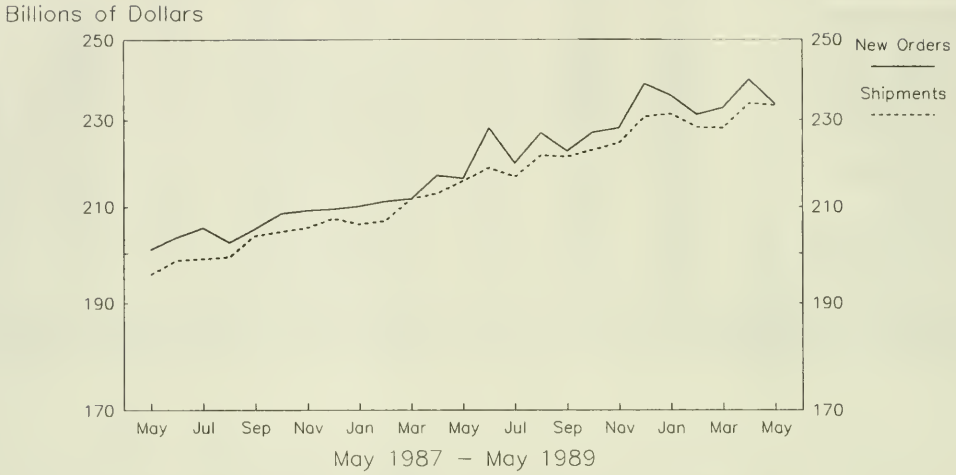
Industry	Shipments			New orders			Unfilled orders			Inventories		
	May 1988	May[1] 1984-1988	May 1988-Apr. 1989	May 1988	May[1] 1984-1988	May 1988-Apr. 1989	May 1988	May[1] 1984-1988	May 1988-Apr. 1989	May 1988	May[1] 1984-1988	May 1988-Apr. 1989
All manufacturing industries	0.2	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.1	0.1
Durable goods industries	0.0	0.1	0.1	0.0	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	1.1	0.7	0.6	0.8	0.6	0.6	0.8	1.2	0.4	0.1	0.2	0.2
Primary metals	0.3	0.4	0.3	1.2	0.5	0.9	0.5	0.3	0.4	0.6	0.3	0.3
Fabricated metal products	0.0	0.7	0.4	0.4	0.8	0.8	0.3	0.2	0.2	0.1	0.2	0.1
Machinery, except electrical	0.5	0.3	0.5	0.6	0.4	1.3	0.1	0.1	0.3	0.0	0.0	0.1
Electrical machinery	0.3	0.2	0.4	0.5	0.6	0.5	0.1	0.1	0.1	0.1	0.1	0.1
Transportation equipment	0.1	0.2	0.2	0.1	0.7	0.7	0.0	0.1	0.1	0.0	0.1	0.1
Instruments and related products	0.6	0.5	0.6	0.3	0.7	1.6	0.2	0.3	0.5	0.1	0.0	0.2
Nondurable goods industries	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.6	0.1	0.1	0.1
Food and kindred products	0.6	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.3	0.3
Tobacco products	0.9	0.5	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
Textile mill products	0.2	0.7	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.6	0.4
Paper and allied products	0.0	0.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.3
Chemicals and allied products	0.1	0.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.2
Petroleum and coal products	0.3	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.6
Rubber and plastics products	1.1	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.4
Capital goods industries:												
Nondefense	0.1	0.3	0.4	0.3	0.5	0.8	0.0	0.1	0.1	0.1	0.1	0.1
Defense	0.6	0.8	0.6	0.3	1.6	1.8	0.0	0.1	0.1	0.0	0.0	0.1

(X) Not applicable. (NA) Not available.

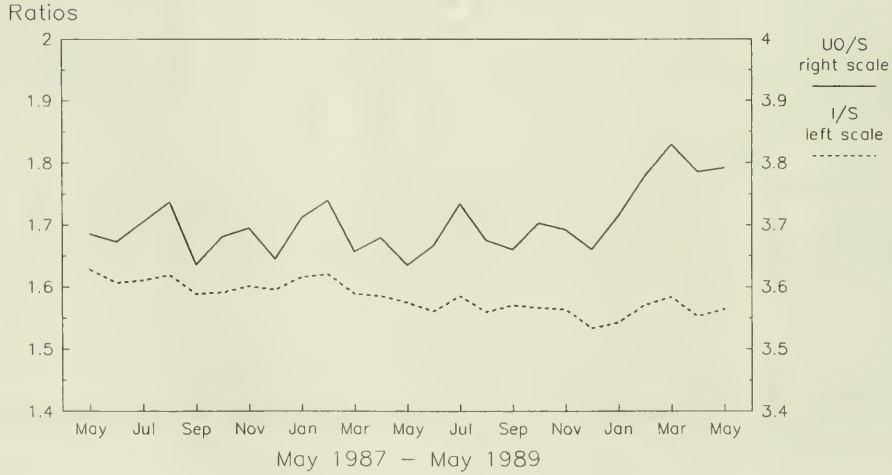
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments

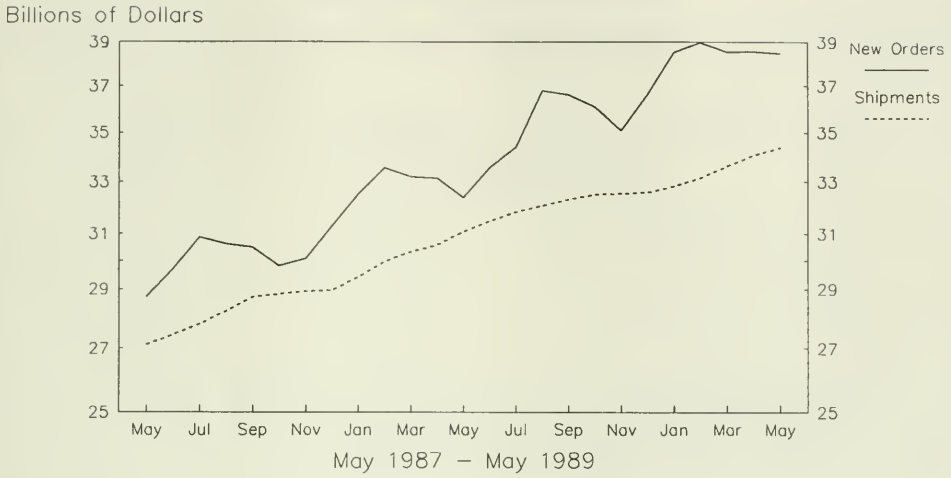


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

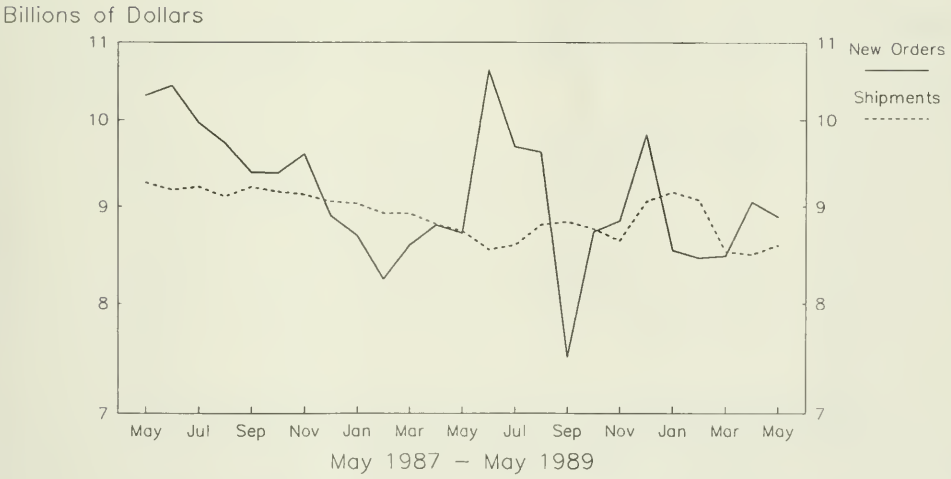


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

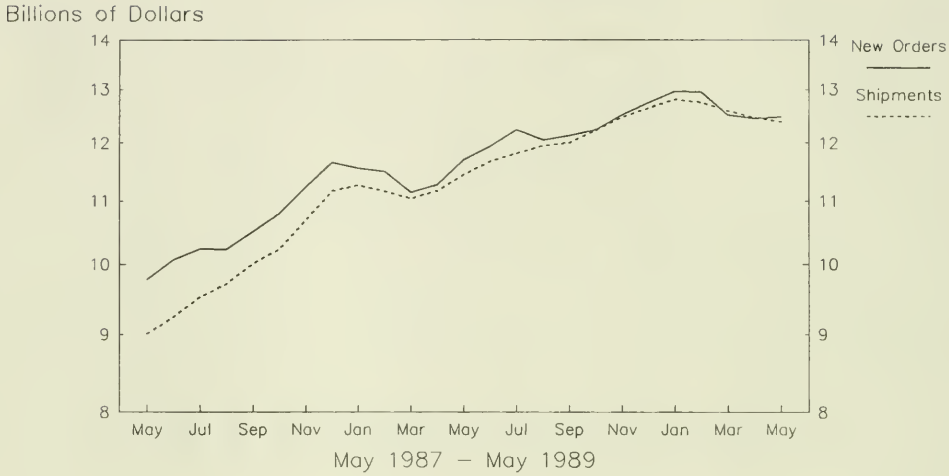


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

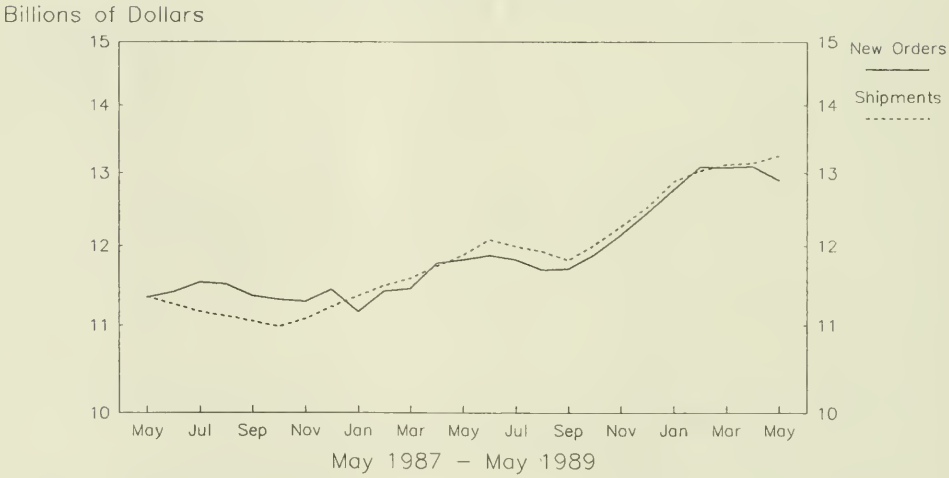


Note: All Charts based on seasonally adjusted current dollars.

Primary Metals Industries
New Orders and Shipments
Three Month Moving Averages

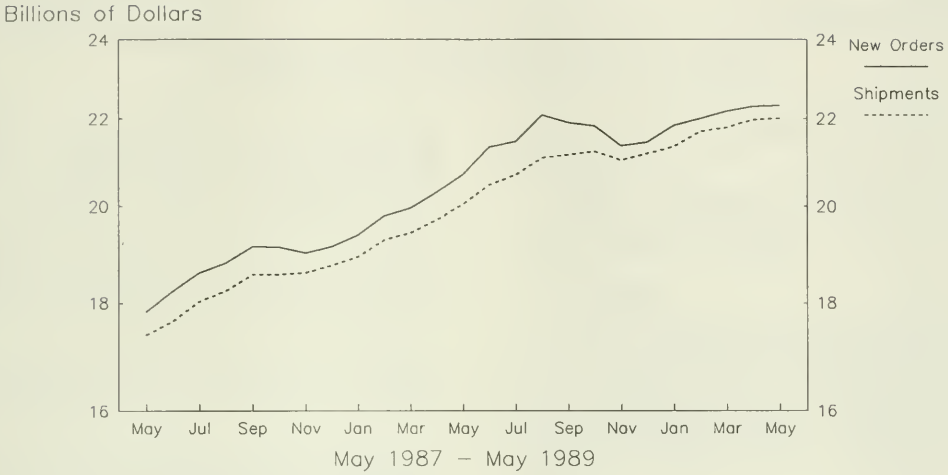


Fabricated Metal Products
New Orders and Shipments
Three Month Moving Averages

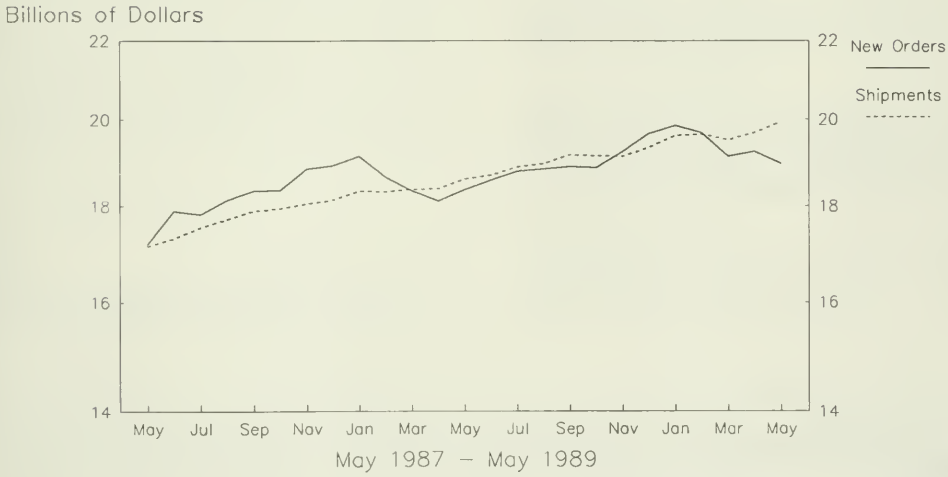


Note: All Charts based on seasonally adjusted current dollars

Nonelectrical Machinery
New Orders and Shipments
Three Month Moving Averages



Electrical Machinery
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

C 3.158:
M3-1-(89)-6
DEPOSITORY
NOV 6

Manufacturers' Shipments, Inventories, and Orders

JUNE 1989

M3-1-(89)-6
For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, August 2, 1989

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in June increased $1.0 billion or 0.4 percent to $234.6 billion, the Department of Commerce, Bureau of the Census reported today. The trend in new orders for the first half of 1989 has been relatively flat, averaging $234.7 billion per month.

Shipments of manufactured goods in June were down $1.1 billion or 0.5 percent to $231.9 billion. The trend in shipments has similarly been flat this year, averaging $231.2 billion per month, 1.5 percent less than orders.

Unfilled orders continued its 2 year plus upward trend. The June increase was $2.6 billion or 0.5 percent to $490.3 billion. The last time the orders backlog declined was February 1987.

Manufacturers' inventories in June increased $1.2 billion or 0.3 percent to $366.2 billion, also continuing a long upward trend. The last decline in inventories was February 1987. The inventory to shipments ratio in June was 1.58, compared to 1.63 in February 1987.

New Orders

New orders in June increased 0.4 percent in both the durable and nondurable goods sectors. Durables were up $0.5 billion to $124.2 billion. The major industries showing the largest increases were fabricated metals, up $1.0 billion or 7.7 percent to $13.8 billion, electrical machinery up $0.7 billion or 3.5 percent to $19.3 billion, and nonelectrical machinery, up $0.7 billion or 3.0 percent to $23.0 billion. The largest declines were in transportation equipment, down $1.1 billion or 3.2 percent to $32.4 billion, and primary metals, down $0.6 billion or 5.0 percent to $12.0 billion.

Nondurable orders were up $0.5 billion, over half of which was in textile mill products.

Shipments

The decline in shipments was concentrated in the durable goods sector which decreased $1.1 billion or 0.9 percent to $121.9 billion. Most of the decline was in transportation equipment where motor vehicles and parts dropped $1.5 billion or 7.4 percent to $18.3 billion. The rest of the industries showed a mixed pattern of increases and decreases.

Shipments of nondurable goods were relatively flat at $110.0 billion. The major industries also showed a mix of small increases and decreases.

Unfilled Orders

Unfilled orders in June were up $2.6 billion or 0.5 percent to $490.3 billion; virtually all of the increase was in durables. Transportation equipment increased $2.2 billion or 1.0 percent, mostly attributable to aircraft and parts. Nonelectrical machinery was up $0.5 billion or 0.9 percent, mostly due to engines and turbines. Electrical machinery decreased $0.5 billion or 0.5 percent to $90.2 billion and primary metals $0.2 billion or 0.8 percent to $26.1 billion.

Inventories

Inventories in the durable goods sector increased $0.4 billion or 0.2 percent to $242.1 billion. Transportation equipment increased $0.7 billion or 1.0 percent to $68.3 billion, mostly due to aircraft and parts. Most of the other industries showed small increases.

Inventories of nondurable goods increased $0.7 billion or 0.6 percent to $124.1 billion. About half of the increase was in petroleum products, up $0.3 billion or 3.2 percent to $10.8 billion.

By stage of fabrication, work in process inventories increased in both durables and nondurables, 0.5 percent and 0.8 percent respectively. Nondurable finished goods were up 1.0 percent, while durable finished goods were flat. Materials and supplies inventories were down 0.3 percent in durables and unchanged in nondurables.

Scheduled Release Dates

The advance report on durable goods for July is scheduled for August 22, 1989 at 8:30 a.m. and the full report on August 31, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1989p	May 1989r	Apr. 1989	May-June p	Apr.-May r	Mar.-Apr.	June 1989p	May 1989r	Apr. 1989	June 1988	June 89/88p	1989p	1988
All manufacturing industries	231,942	233,071	234,042	-0.5	-0.4	+2.6	246,438	233,725	235,253	232,773	+5.9	1,395,285	1,282,092
Manufacturing industries with unfilled orders	128,133	128,363	128,700	-0.2	-0.3	+2.4	137,054	127,503	128,124	129,358	+5.9	766,501	707,727
Durable goods industries	121,895	122,962	123,331	-0.9	-0.3	+2.4	131,876	124,193	125,254	126,159	+4.5	742,784	685,543
With unfilled orders	101,115	101,168	101,219	-0.1	-0.1	+2.2	109,321	100,808	100,869	102,899	+6.2	605,107	556,135
Stone, clay, and glass products	5,450	5,404	5,451	+0.9	-0.9	+5.8	5,857	5,556	5,709	5,767	+1.6	32,256	31,473
Primary metals	12,209	12,250	12,486	-0.3	-1.9	+0.9	13,024	12,537	12,940	12,922	+0.8	76,662	70,206
Blast furnaces, steel mills	4,897	5,048	5,128	-3.0	-1.6	+0.5	5,255	5,239	5,391	5,577	-5.8	31,516	31,170
Iron and steel foundries	838	875	901	-4.2	-2.9	+8.4	887	939	932	930	-4.6	5,388	5,177
Nonferrous and other primary metals	6,474	6,327	6,457	+2.3	-2.0	+0.2	6,882	6,359	6,617	6,415	+7.3	39,758	33,859
Fabricated metal products	13,453	13,370	13,269	+0.6	+0.8	+1.0	14,536	13,760	13,591	13,338	+9.0	80,880	71,989
Machinery, except electrical	22,426	22,253	22,054	+0.8	+0.9	+0.5	25,625	21,972	22,010	23,727	+8.0	133,765	121,272
Engines and turbines	1,344	1,349	1,387	-0.4	-2.7	-0.9	1,415	1,355	1,418	1,376	+2.8	8,438	7,742
Construction, mining and material handling equipment	2,729	2,798	2,728	-2.5	+2.6	-0.4	2,909	2,875	2,892	2,668	+9.0	16,618	14,966
Metalworking machinery	1,012	1,024	1,031	-1.2	-0.7	+1.6	1,108	1,004	939	1,005	+10.2	6,015	5,415
Office and computing machines	6,127	5,828	5,869	+5.1	-0.7	-0.3	7,769	5,170	4,761	7,301	+6.4	33,432	32,232
Electrical machinery	19,825	19,952	20,299	-0.6	-1.7	+3.9	21,234	19,324	19,558	20,102	+5.6	117,644	110,501
Electrical transmission and distribution equipment and industrial apparatus	2,481	2,525	2,647	-1.7	-4.6	+7.7	2,655	2,487	2,601	2,434	+9.1	15,296	13,515
Household appliances	1,555	1,658	1,695	-6.2	-2.2	+1.4	1,745	1,645	1,672	1,679	+3.9	9,784	8,970
Radio and TV	1,066	1,011	1,012	+5.4	-0.1	+1.6	1,187	843	830	924	+28.5	5,594	5,117
Communication equipment	6,502	6,498	6,570	+0.1	-1.1	+4.8	7,103	6,284	6,200	6,825	+4.1	37,620	36,266
Electronic components	4,864	4,754	4,832	+2.3	-1.6	+1.7	5,083	4,695	4,952	4,818	+5.5	29,100	26,977
Other electrical machinery	3,357	3,506	3,543	-4.2	-1.0	+4.4	3,461	3,370	3,303	3,422	+1.1	20,250	19,656
Transportation equipment	30,148	31,177	31,489	-3.3	-1.0	+3.9	31,886	32,534	32,854	31,388	+1.6	191,752	175,798
Motor vehicles and parts	18,331	19,805	20,146	-7.4	-1.7	+6.4	19,239	21,266	21,739	19,733	-2.5	124,698	111,463
Aircraft, missiles, and parts.	9,856	9,159	9,094	+7.6	+0.7	-1.2	10,615	8,997	8,742	9,447	+12.4	53,989	51,853
Shipbuilding and military tank vehicles	874	903	941	-3.2	-4.0	+0.2	893	910	906	849	+5.2	5,354	5,016
Instruments and related products	6,337	6,439	6,308	-1.6	+2.1	+1.7	6,905	6,387	6,085	6,590	+4.8	37,880	35,542
Scientific and engineering instruments	4,115	4,258	4,155	-3.4	+2.5	+2.5	4,415	4,210	4,048	4,375	+0.9	25,123	24,144
All other durable goods	12,047	12,117	11,975	-0.6	+1.2	+1.6	12,809	12,123	12,507	12,325	+3.9	71,945	68,762
Nondurable goods industries	110,047	110,109	110,711	-0.1	-0.5	+2.9	114,562	109,532	109,999	106,614	+7.5	652,501	596,549
With unfilled orders	27,018	27,195	27,481	-0.7	-1.0	+3.0	27,733	26,695	27,255	26,459	+4.8	161,394	151,592
Food and kindred products	32,519	32,470	32,283	+0.2	+0.6	-0.3	33,625	32,421	31,613	31,036	+8.3	191,809	172,317
Dairy products	4,297	4,241	4,221	+1.3	+0.5	-0.2	4,525	4,336	4,204	4,297	+5.3	25,394	23,993
Beverages	4,242	4,230	4,224	+0.3	+0.1	-0.6	4,832	4,485	4,499	4,516	+7.0	25,463	23,613
All other foods	15,255	15,314	15,070	-0.4	+1.6	+1.2	15,408	14,818	14,329	13,935	+10.6	89,624	78,788
Tobacco products	1,929	2,083	2,104	-7.4	-1.0	+5.0	2,398	2,267	1,733	2,192	+9.4	11,582	10,437
Textile mill products	5,232	5,315	5,337	-1.6	-0.4	+0.1	5,656	5,268	5,236	5,419	+4.4	31,914	29,151
Broadwoven fabrics	3,196	3,292	3,338	-2.9	-1.4	+4.3	3,452	3,334	3,209	3,294	+4.8	19,592	18,171
Paper and allied products	10,862	10,900	10,927	-0.3	-0.2	+0.3	11,337	10,787	11,001	10,859	+4.4	66,081	61,283
Pulp, paper etc.	4,884	4,923	4,871	-0.8	+1.1	+1.2	4,976	4,866	4,959	4,662	+6.7	29,675	27,110
Paperboard containers	2,650	2,702	2,750	-1.9	-1.7	-1.3	2,809	2,732	2,785	2,763	+1.7	16,400	14,956
All other paper products	3,328	3,275	3,306	+1.6	-0.9	+0.3	3,552	3,189	3,257	3,434	+3.4	20,006	19,217
Chemicals and allied products	21,392	21,478	21,497	-0.4	-0.1	+3.0	22,435	21,739	22,413	20,887	+7.4	130,883	119,565
Industrial chemicals, except pigments	5,828	5,871	6,005	-0.7	-2.2	+4.3	6,114	5,951	6,252	5,816	+5.1	36,312	32,970
Drugs, soaps, and toiletries	6,676	6,776	6,636	-1.5	+2.1	+2.0	7,110	6,229	6,201	6,350	+12.0	39,372	35,673
Other chemical products	5,780	5,834	5,796	-0.9	+0.7	+2.0	5,925	5,955	5,952	5,652	+4.8	35,109	32,155
Petroleum and coal products	12,082	11,934	12,306	+1.2	-3.0	+11.0	12,317	11,933	12,094	10,867	+13.3	67,161	60,997
Rubber and plastics products	8,376	8,310	8,174	+0.8	+1.7	+3.8	9,044	8,516	8,466	8,066	+12.1	50,273	44,711
All other nondurable goods	17,655	17,619	18,083	+0.2	-2.6	+5.2	17,750	16,601	17,443	17,288	+2.7	102,798	98,309
Market categories:													
Home goods and apparel	14,571	14,660	14,894	-0.6	-1.6	+2.0	15,396	13,691	14,207	15,043	+2.3	86,511	82,190
Consumer staples	45,641	45,902	45,727	-0.6	+0.4	+1.7	47,731	45,503	44,264	43,638	+9.4	268,634	242,143
Equipment and defense prod. except automotive	38,657	38,616	38,337	+0.1	+0.7	+1.4	42,940	37,907	37,337	40,127	+7.0	227,127	211,347
Automotive equipment	20,559	22,256	22,522	-7.6	-1.2	+5.5	21,663	23,797	24,337	22,387	-3.2	139,308	125,699
Construction materials, supplies and intermediate products	17,576	17,331	17,473	+1.4	-0.8	+1.3	19,097	17,729	18,393	18,679	+2.2	105,161	101,250
Other materials, supplies, and intermediate products	94,938	94,306	95,089	+0.7	-0.8	+3.3	99,611	95,098	96,715	92,899	+7.2	568,544	519,463
Supplementary series:[2]													
Capital goods industries	43,784	43,224	43,232	+1.3	0.0	+1.7	48,364	42,168	41,692	44,684	+8.2	254,648	236,117
Nondefense	34,590	34,527	34,599	+0.2	-0.2	+1.5	38,523	33,680	33,618	35,354	+9.0	203,660	184,548
Excluding aircraft and parts	29,987	30,066	30,244	-0.3	-0.6	+3.0	33,607	29,245	29,325	31,012	+8.4	177,581	161,042
Defense	9,194	8,697	8,633	+5.7	+0.7	+2.2	9,841	8,488	8,074	9,330	+5.5	50,988	51,569
Household durable goods industries	6,773	6,948	6,977	-2.5	-0.4	+1.6	7,262	6,692	6,762	6,765	+7.3	40,836	38,338

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1989[p]	May 1989[r]	Apr. 1989	May-June[p]	Apr.-May[r]	Mar.-Apr.	June 1989[p]	May 1989[r]	Apr. 1989	June 1988	June 89/88[p]	1989[p]	1988
All manufacturing industries	234,555	233,562	239,907	+0.4	-2.6	+3.0	246,060	231,031	240,054	239,026	+2.9	1,421,339	1,310,010
Manufacturing industries with unfilled orders	130,746	128,854	134,565	+1.5	-4.2	+3.0	136,676	124,809	132,925	135,611	+0.8	792,555	735,645
Durable goods industries	124,194	123,676	129,372	+0.4	-4.4	+3.2	131,288	121,924	130,202	132,393	-0.8	768,265	712,540
With unfilled orders	103,414	101,882	107,260	+1.5	-5.0	+3.2	108,733	98,539	105,817	109,133	-0.4	630,588	583,132
Stone, clay, and glass products	5,398	5,482	5,397	-1.5	+1.6	+7.8	5,788	5,648	5,536	5,893	-1.8	32,229	32,221
Primary metals	11,996	12,633	12,865	-5.0	-1.8	+8.2	11,999	12,318	13,001	12,229	-1.9	77,478	71,871
Blast furnaces, steel mills	4,593	5,022	4,741	-8.5	+5.9	+2.3	4,421	4,803	4,984	4,987	-11.3	30,993	31,008
Iron and steel foundries	837	925	961	-9.5	-3.7	+14.7	868	924	1,022	945	-8.1	5,641	5,367
Nonferrous and other primary metals	6,566	6,686	7,163	-1.8	-6.7	+11.7	6,710	6,591	6,995	6,297	+6.6	40,844	35,496
Fabricated metal products	13,783	12,792	13,007	+7.7	-1.7	+0.8	14,849	13,171	13,239	12,817	+15.9	80,527	71,386
Machinery, except electrical	22,961	22,288	22,731	+3.0	-1.9	+2.1	25,552	21,884	22,765	24,338	+5.0	136,602	126,159
Engines and turbines	2,515	1,462	1,433	+72.0	+2.0	+4.8	2,580	1,488	1,323	1,553	+66.1	9,845	7,428
Construction, mining and material handling equipment	2,666	2,692	3,124	-1.0	-13.8	+0.7	2,599	2,660	3,188	2,668	-2.6	17,092	15,410
Metalworking machinery	917	945	919	-3.0	+2.8	-3.6	1,034	904	946	1,415	-26.9	6,023	6,638
Office and computing machines	5,447	5,621	5,702	-3.1	-1.4	-4.0	7,118	5,166	4,875	7,308	-2.6	32,752	32,835
Electrical machinery	19,336	18,677	19,890	+3.5	-6.1	+8.9	20,957	17,740	18,916	19,931	+5.1	115,813	112,234
Electrical transmission and distribution equipment and industrial apparatus	2,485	2,438	2,656	+1.9	-8.2	+6.5	2,594	2,387	2,601	2,360	+9.9	15,669	13,694
Communication equipment	6,147	5,972	6,174	+2.9	-3.3	+16.0	7,018	5,241	5,396	6,534	+7.4	35,781	35,665
Electronic components	4,711	4,359	4,846	+8.1	-10.0	+10.8	4,941	4,295	5,250	4,921	+0.4	28,630	28,753
Other electrical machinery	3,416	3,453	3,451	-1.1	+0.1	-3.2	3,567	3,345	3,256	3,497	+2.0	20,354	20,066
Transportation equipment	32,389	33,470	37,062	-3.2	-9.7	0.0	32,586	32,814	37,755	38,406	-15.2	214,069	192,297
Aircraft, missiles, and parts.	12,385	11,405	15,240	+8.6	-25.2	-4.1	11,723	9,489	14,299	12,146	-3.5	76,601	63,066
Shipbuilding and military tank vehicles	459	1,277	388	-64.1	229.1	-52.9	474	1,297	328	5,278	-91.0	4,892	10,434
Instruments and related products	6,292	6,371	6,385	-1.2	-0.2	+2.6	6,971	6,301	6,124	6,704	+4.0	37,700	35,998
Scientific and engineering instruments	4,075	4,204	4,260	-3.1	-1.3	+5.7	4,419	4,129	4,109	4,424	-0.1	24,898	24,517
All other durable goods	12,039	11,963	12,035	+0.6	-0.6	+2.2	12,586	12,048	12,866	12,075	+4.2	73,847	70,374
Nondurable goods industries	110,361	109,886	110,535	+0.4	-0.6	+2.7	114,772	109,107	109,852	106,633	+7.6	653,074	597,470
With unfilled orders	27,332	26,972	27,305	+1.3	-1.2	+2.3	27,943	26,270	27,108	26,478	+5.5	161,967	152,513
Market categories:													
Home goods and apparel	14,581	14,361	14,977	+1.5	-4.1	+3.5	15,183	13,595	14,406	14,855	+2.2	88,749	84,015
Consumer staples	45,652	45,793	45,683	-0.3	+0.2	+1.6	47,713	45,315	44,225	43,584	+9.5	268,316	242,112
Equipment and defense prod. except automotive	41,270	40,138	43,728	+2.8	-8.2	+4.8	43,918	37,629	41,888	46,600	-5.8	245,992	226,050
Automotive equipment	20,474	22,011	22,344	-7.0	-1.5	+4.7	21,462	23,280	24,101	22,144	-3.1	138,564	125,147
Construction materials, supplies and intermediate products	17,506	17,295	17,366	+1.2	-0.4	+1.5	18,982	17,719	18,248	18,790	+1.0	104,922	102,350
Other materials, supplies, and intermediate products	95,072	93,964	95,809	+1.2	-1.9	+2.5	98,802	93,493	97,186	93,053	+6.2	574,796	530,336
Supplementary series:													
Capital goods industries	46,348	44,862	48,940	+3.3	-8.3	+0.7	49,167	41,385	46,466	51,896	-5.3	278,766	256,492
Nondefense	37,387	37,290	40,389	+0.3	-7.7	+5.9	40,992	36,098	39,247	39,017	+5.1	230,312	200,404
Excluding aircraft and parts	30,306	30,104	30,822	+0.7	-2.3	+2.5	33,598	28,938	29,742	31,387	+7.0	181,529	166,327
Defense	8,961	7,572	8,551	+18.3	-11.4	-18.3	8,175	5,287	7,219	12,879	-36.5	48,454	56,088
Household durable goods industries	6,762	6,639	7,119	+1.9	-6.7	+6.2	7,100	6,503	6,978	6,667	+6.5	42,506	39,829

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	June 1989p	May 1989r	Apr. 1989	May-Junep	Apr.-Mayr	Mar.-Apr.	June 1989p	May 1989r	Apr. 1989	June 1988	June 89/88p
All manufacturing industries	490,335	487,722	487,231	+0.5	+0.1	+1.2	489,988	490,366	493,060	443,916	+10.4
Durable goods industries	469,951	467,652	466,938	+0.5	+0.2	+1.3	469,438	470,026	472,295	423,560	+10.8
Stone, clay, and glass products	5,531	5,583	5,505	-0.9	+1.4	-1.0	5,585	5,654	5,562	5,825	-4.1
Primary metals	26,053	26,266	25,883	-0.8	+1.5	+1.5	25,960	26,985	27,204	24,843	+4.5
Blast furnaces, steel mills	10,368	10,672	10,698	-2.8	-0.2	-3.5	10,202	11,036	11,472	11,263	-9.4
Iron and steel foundries	2,453	2,454	2,404	0.0	+2.1	+2.6	2,433	2,452	2,467	2,121	+14.7
Nonferrous and other primary metals	13,232	13,140	12,781	+0.7	+2.8	+5.8	13,325	13,497	13,265	11,459	+16.3
Fabricated metal products	27,789	27,459	28,037	+1.2	-2.1	-0.9	27,839	27,526	28,115	29,046	-4.2
Machinery, except electrical	62,392	61,857	61,822	+0.9	+0.1	+1.1	62,116	62,189	62,277	56,878	+9.2
Engines and turbines	6,209	5,038	4,925	+23.2	+2.3	+0.9	6,009	4,844	4,711	5,008	+20.0
Construction, mining and material handling equipment	9,181	9,244	9,350	-0.7	-1.1	+4.4	8,997	9,307	9,522	7,497	+20.0
Metalworking machinery	4,618	4,713	4,792	-2.0	-1.6	-2.3	4,590	4,664	4,764	3,959	+15.9
Office and computing machines	12,147	12,827	13,034	-5.3	-1.6	-1.3	12,390	13,041	13,045	14,119	-12.2
Electrical machinery	90,173	90,662	91,937	-0.5	-1.4	-0.4	90,559	90,836	92,420	93,877	-3.5
Electrical transmission and distribution equipment and industrial apparatus	7,262	7,258	7,345	+0.1	-1.2	+0.1	7,221	7,282	7,382	6,565	+10.0
Communication equipment	63,632	63,987	64,513	-0.6	-0.8	-0.6	63,697	63,782	64,825	65,761	-3.1
Electronic components	13,555	13,708	14,103	-1.1	-2.8	+0.1	13,935	14,077	14,477	16,119	-13.5
Other electrical machinery	4,740	4,681	4,734	+1.3	-1.1	-1.9	4,768	4,662	4,687	4,524	+5.4
Transportation equipment	235,961	233,720	231,427	+1.0	+1.0	+2.5	234,784	234,084	233,804	191,208	+22.8
Aircraft, missiles, and parts.	198,714	196,185	193,939	+1.3	+1.2	+3.3	197,744	196,636	196,144	156,619	+26.3
Shipbuilding and military tank vehicles	25,791	26,206	25,832	-1.6	+1.4	-2.1	25,775	26,194	25,807	24,197	+6.5
Instruments and related products	14,498	14,543	14,611	-0.3	-0.5	+0.5	14,520	14,454	14,540	13,954	+4.1
Scientific and engineering instruments	13,462	13,502	13,556	-0.3	-0.4	+0.8	13,422	13,418	13,499	12,933	+3.8
All other durable goods	7,554	7,562	7,716	-0.1	-2.0	+0.8	8,075	8,298	8,373	7,929	+1.8
Nondurable goods industries	20,384	20,070	20,293	+1.6	-1.1	-0.9	20,550	20,340	20,765	20,356	+1.0
Market categories:											
Home goods and apparel	8,244	8,234	8,533	+0.1	-3.5	+1.0	8,813	9,026	9,122	8,903	-1.0
Consumer staples	589	578	687	+1.9	-15.9	-6.0	526	544	732	637	-17.4
Equipment and defense prod. except automotive	306,810	304,197	302,675	+0.9	+0.5	+1.8	305,562	304,584	304,862	266,895	+14.5
Automotive equipment	8,310	8,395	8,640	-1.0	-2.8	-2.0	8,119	8,320	8,837	8,651	-6.1
Construction materials, supplies and intermediate products	14,736	14,806	14,842	-0.5	-0.2	-0.7	14,902	15,017	15,027	15,695	-5.1
Other materials, supplies, and intermediate products	151,646	151,512	151,854	+0.1	-0.2	+0.5	152,066	152,875	154,480	143,135	+6.2
Supplementary series:											
Capital goods industries	369,614	367,050	365,412	+0.7	+0.4	+1.6	368,361	367,558	368,341	321,357	+14.6
Nondefense	205,804	203,007	200,244	+1.4	+1.4	+3.0	205,425	202,956	200,538	154,716	+32.8
Excluding aircraft and parts	91,067	90,748	90,710	+0.4	0.0	+0.6	90,688	90,697	91,004	82,997	+9.3
Defense	163,810	164,043	165,168	-0.1	-0.7	0.0	162,936	164,602	167,803	166,641	-2.2
Household durable goods industries	5,914	5,925	6,234	-0.2	-5.0	+2.3	6,399	6,561	6,750	6,438	-.6

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	June 1989p	May 1989r	Apr. 1989	May-June p	Apr.-May r	Mar.-Apr.	June 1989p	May 1989r	Apr. 1988	June 1988	June 89/88p
All manufacturing industries	366,218	365,055	363,458	+0.3	+0.4	+0.6	366,440	368,621	365,848	342,678	+6.9
Manufacturing industries with unfilled orders	254,751	254,292	252,883	+0.2	+0.6	+0.4	256,166	257,667	254,618	237,605	+7.8
Durable goods industries	242,126	241,689	240,486	+0.2	+0.5	+0.5	242,763	244,712	242,195	225,046	+7.9
With unfilled orders	223,692	223,494	222,425	+0.1	+0.5	+0.5	224,641	226,273	223,721	207,760	+8.1
Stone, clay, and glass products	7,706	7,740	7,704	-0.4	+0.5	+1.0	7,793	8,020	7,890	7,318	+6.5
Primary metals	21,298	21,223	21,036	+0.4	+0.9	+0.7	21,255	21,414	21,123	18,809	+13.0
Blast furnaces, steel mills	10,526	10,526	10,563	0.0	-0.4	+0.2	10,537	10,557	10,396	9,087	+16.0
Iron and steel foundries	1,382	1,329	1,351	+4.0	-1.6	-2.9	1,394	1,374	1,423	1,254	+11.2
Nonferrous and other primary metals	9,390	9,368	9,122	+0.2	+2.7	+1.9	9,324	9,483	9,304	8,468	+10.1
Fabricated metal products	23,751	23,892	23,947	-0.6	-0.2	-0.1	23,965	24,233	24,266	23,173	+3.4
Machinery, except electrical	47,713	47,820	47,660	-0.2	+0.3	-0.1	47,671	48,399	48,102	43,992	+8.4
Engines and turbines	3,144	3,110	3,090	+1.1	+0.6	+0.8	3,178	3,136	3,088	2,917	+8.9
Construction, mining and material handling equipment	7,653	7,661	7,663	-0.1	0.0	+0.8	7,592	7,730	7,747	7,028	+8.0
Metalworking machinery	3,252	3,234	3,176	+0.6	+1.8	+1.7	3,223	3,274	3,160	2,778	+16.0
Office and computing machines	12,009	12,119	12,129	-0.9	-0.1	-0.8	12,021	12,319	12,247	11,333	+6.1
Electrical machinery	41,211	41,564	41,553	-0.8	0.0	+0.6	41,731	42,242	41,904	40,118	+4.0
Electrical transmission and distribution equipment and industrial apparatus	5,077	5,053	5,194	+0.5	-2.7	+0.4	5,111	5,159	5,300	5,069	+.8
Household appliances	2,934	2,909	2,918	+0.9	-0.3	+0.1	3,069	3,153	3,122	2,943	+4.3
Radio and TV	1,560	1,702	1,680	-8.3	+1.3	+0.8	1,626	1,778	1,712	1,401	+16.1
Communication equipment	16,484	16,698	16,484	-1.3	+1.3	+1.2	16,520	16,769	16,443	16,279	+1.5
Electronic components	8,749	8,842	8,920	-1.1	-0.9	+0.2	8,819	8,868	8,893	8,247	+6.9
Other electrical machinery	6,407	6,360	6,357	+0.7	0.0	+0.3	6,586	6,515	6,434	6,179	+6.6
Transportation equipment	68,253	67,557	66,681	+1.0	+1.3	+1.0	67,982	67,959	66,656	60,578	+12.2
Motor vehicles and parts	12,072	12,237	12,134	-1.3	+0.8	-0.3	11,589	12,131	12,170	11,106	+4.3
Aircraft, missiles, and parts.	51,444	50,841	49,983	+1.2	+1.7	+0.9	51,671	51,318	49,943	45,448	+13.7
Shipbuilding and military tank vehicles	2,382	2,252	2,261	+5.8	-0.4	+4.2	2,359	2,278	2,293	2,040	+15.6
Instruments and related products	14,113	14,062	14,361	+0.4	-2.1	+0.2	14,235	14,352	14,415	13,292	+7.1
Scientific and engineering instruments	10,359	10,260	10,558	+1.0	-2.8	+0.1	10,411	10,438	10,546	9,765	+6.6
All other durable goods	18,081	17,831	17,544	+1.4	+1.6	+0.2	18,131	18,093	17,839	17,766	+2.1
Nondurable goods industries	124,092	123,366	122,972	+0.6	+0.3	+1.0	123,677	123,909	123,653	117,632	+5.1
With unfilled orders	31,059	30,798	30,458	+0.8	+1.1	+0.1	31,525	31,394	30,897	29,845	+5.6
Food and kindred products	26,166	26,181	26,588	-0.1	-1.5	+1.1	24,969	25,235	26,036	24,487	+2.0
Dairy products	2,476	2,459	2,450	+0.7	+0.4	-1.4	2,493	2,527	2,506	2,239	+11.3
Beverages	4,309	4,368	4,357	-1.4	+0.3	-0.3	4,279	4,427	4,454	4,361	-1.9
All other foods	15,051	14,887	15,102	+1.1	-1.4	+2.6	13,967	13,874	14,275	13,525	+3.3
Tobacco products	5,506	5,431	5,403	+1.4	+0.5	+0.6	5,198	5,339	5,525	5,333	-2.5
Textile mill products	7,877	7,810	7,648	+0.9	+2.1	+2.0	8,034	8,053	7,867	7,698	+4.4
Broadwoven fabrics	4,525	4,496	4,396	+0.6	+2.3	+1.5	4,552	4,594	4,518	4,474	+1.7
Paper and allied products	12,221	12,070	11,943	+1.3	+1.1	+0.3	12,350	12,292	12,173	11,588	+6.6
Pulp, paper etc.	4,730	4,679	4,610	+1.1	+1.5	+1.4	4,744	4,746	4,694	4,012	+18.2
Paperboard containers	3,124	3,041	3,029	+2.7	+0.4	+1.9	3,121	3,108	3,104	3,195	-2.3
All other paper products	4,367	4,350	4,304	+0.4	+1.1	-1.9	4,485	4,438	4,375	4,381	+2.4
Chemicals and allied products	29,139	29,069	28,816	+0.2	+0.9	+1.1	29,012	29,146	29,035	26,005	+11.6
Industrial chemicals, except pigments	8,117	8,131	7,979	-0.2	+1.9	+0.5	8,117	8,117	8,005	6,755	+20.2
Drugs, soaps, and toiletries	9,582	9,589	9,553	-0.1	+0.4	+1.3	9,745	9,768	9,652	9,429	+3.4
Other chemical products	7,313	7,216	7,128	+1.3	+1.2	+0.9	7,262	7,267	7,236	6,449	+12.6
Petroleum and coal products	10,758	10,423	10,346	+3.2	+0.7	+4.5	10,795	10,496	10,249	9,946	+8.5
Rubber and plastics products	10,574	10,567	10,555	+0.1	+0.1	-0.2	10,598	10,789	10,798	9,631	+10.0
All other nondurable goods	21,851	21,815	21,673	+0.2	+0.7	-0.3	22,721	22,559	21,970	22,944	-1.0
Market categories:											
Home goods and apparel	26,349	26,419	26,257	-0.3	+0.6	+0.8	27,442	27,582	26,866	27,602	-.6
Consumer staples	45,143	44,909	44,977	+0.5	-0.2	+1.2	43,926	44,210	44,724	42,261	+3.9
Equipment and defense prod. except automotive	110,485	109,580	109,160	+0.8	+0.4	+0.8	110,644	110,666	109,673	100,975	+9.6
Automotive equipment	15,196	15,245	15,165	-0.3	+0.5	+1.0	14,736	15,203	15,207	13,841	+6.5
Construction materials, supplies and intermediate products	25,413	25,405	24,986	0.0	+1.7	-0.2	25,612	26,023	25,572	25,035	+2.3
Other materials, supplies, and intermediate products	143,632	143,497	142,913	+0.1	+0.4	+0.5	144,080	144,937	143,806	132,964	+8.4
Supplementary series:[2]											
Capital goods industries	127,020	126,541	125,413	+0.4	+0.9	+0.5	127,600	128,022	125,989	116,649	+9.4
Nondefense	90,196	89,755	89,051	+0.5	+0.8	+0.8	90,463	90,733	89,629	81,003	+11.7
Excluding aircraft and parts	65,763	65,844	65,635	-0.1	+0.3	+0.2	66,117	66,828	66,288	61,390	+7.7
Defense	36,824	36,786	36,362	+0.1	+1.2	-0.1	37,137	37,289	36,360	35,646	+4.2
Household durable goods industries	13,037	13,146	13,110	-0.8	+0.3	+0.5	13,387	13,613	13,382	12,976	+3.2

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1989[p]	May 1989[r]	Apr. 1989	May-June[p]	Apr.-May[r]	Mar.-Apr.	June 1989[p]	May 1989[r]	Apr. 1989	June 1988	June 89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,249	113,427	113,667	-0.2	-0.2	-0.4	113,016	113,380	113,924	109,634	+3.1
Durable goods industries	66,566	66,748	66,887	-0.3	-0.2	-0.6	66,437	66,578	66,721	63,422	+4.8
Stone, clay, and glass products	2,508	2,523	2,533	-0.6	-0.4	+0.2	2,513	2,557	2,540	2,394	+5.0
Primary metals	6,585	6,535	6,476	+0.8	+0.9	+0.4	6,472	6,329	6,274	5,915	+9.4
Fabricated metal products	8,597	8,752	8,797	-1.8	-0.5	-1.8	8,646	8,742	8,785	8,413	+2.8
Machinery, except electrical	12,892	13,092	13,120	-1.5	-0.2	-1.7	12,835	13,071	13,140	12,258	+4.7
Electrical machinery	11,052	11,104	11,221	-0.5	-1.0	-0.4	11,163	11,214	11,318	10,585	+5.5
Transportation equipment	13,234	13,122	13,085	+0.9	+0.3	+0.2	13,202	13,094	13,107	12,689	+4.0
Instruments and related products	4,697	4,687	4,751	+0.2	-1.3	-1.3	4,733	4,739	4,748	4,424	+7.0
Lumber, furniture and miscellaneous durable goods	7,001	6,933	6,904	+1.0	+0.4	+0.7	6,873	6,832	6,809	6,744	+1.9
Nondurable goods industries	46,683	46,679	46,780	0.0	-0.2	-0.2	46,579	46,802	47,203	46,212	+.8
Food and kindred products	8,650	8,736	9,017	-1.0	-3.1	-0.7	8,497	8,684	9,139	9,126	-6.9
Tobacco products	4,107	4,084	4,078	+0.6	+0.1	+0.6	3,929	4,064	4,130	4,154	-5.4
Textile mill products	2,364	2,318	2,239	+2.0	+3.5	+1.7	2,411	2,417	2,334	2,332	+3.4
Paper and allied products	6,561	6,506	6,423	+0.8	+1.3	-0.2	6,595	6,520	6,488	6,332	+4.2
Chemicals and allied products	10,110	10,168	10,170	-0.6	0.0	+0.4	10,134	10,141	10,138	9,403	+7.8
Petroleum and coal products	2,501	2,376	2,390	+5.3	-0.6	+3.6	2,542	2,405	2,444	2,505	+1.5
Rubber and plastics products	4,042	4,080	4,111	-0.9	-0.8	-1.2	4,050	4,106	4,113	3,819	+6.0
Apparel, printing and publishing and leather goods	8,348	8,411	8,352	-0.7	+0.7	-1.6	8,421	8,465	8,417	8,541	-1.4
WORK IN PROCESS											
All manufacturing industries	135,278	134,581	133,874	+0.5	+0.5	+1.7	135,166	135,798	134,237	123,059	+9.8
Durable goods industries	114,820	114,291	113,381	+0.5	+0.8	+1.6	114,711	115,370	113,700	104,077	+10.2
Stone, clay, and glass products	1,129	1,149	1,160	-1.7	-0.9	+2.0	1,139	1,168	1,191	1,140	-.1
Primary metals	8,905	8,921	8,889	-0.2	+0.4	+2.1	8,849	9,061	9,003	7,621	+16.1
Fabricated metal products	8,272	8,294	8,379	-0.3	-1.0	+1.2	8,253	8,460	8,551	8,048	+2.5
Machinery, except electrical	19,723	19,717	19,411	0.0	+1.6	+2.6	19,774	19,922	19,537	17,668	+11.9
Electrical machinery	20,246	20,481	20,421	-1.1	+0.3	+1.0	20,328	20,581	20,352	19,826	+2.5
Transportation equipment	47,424	46,641	45,995	+1.7	+1.4	+1.7	47,166	46,916	45,844	40,851	+15.5
Instruments and related products	5,366	5,340	5,494	+0.5	-2.8	+0.6	5,429	5,485	5,529	5,202	+4.4
Lumber, furniture and miscellaneous durable goods	3,755	3,748	3,632	+0.2	+3.2	+1.5	3,773	3,777	3,693	3,721	+1.4
Nondurable goods industries	20,458	20,290	20,493	+0.8	-1.0	+2.1	20,455	20,428	20,537	18,982	+7.8
Food and kindred products	2,638	2,663	2,732	-0.9	-2.5	-0.4	2,586	2,581	2,720	2,583	+.1
Tobacco products	257	272	276	-5.5	-1.4	-4.2	197	224	228	187	+5.3
Textile mill products	2,451	2,400	2,407	+2.1	-0.3	+1.1	2,455	2,424	2,437	2,321	+5.8
Paper and allied products	1,374	1,359	1,369	+1.1	-0.7	+1.7	1,375	1,369	1,372	1,264	+8.8
Chemicals and allied products	4,501	4,565	4,615	-1.4	-1.1	+3.5	4,548	4,649	4,601	4,122	+10.3
Petroleum and coal products	3,020	2,921	2,964	+3.4	-1.5	+7.0	3,015	2,965	2,930	2,496	+20.8
Rubber and plastics products	1,476	1,495	1,501	-1.3	-0.4	+1.0	1,427	1,470	1,472	1,374	+3.9
Apparel, printing and publishing and leather goods	4,741	4,615	4,629	+2.7	-0.3	+0.6	4,852	4,746	4,777	4,635	+4.7
FINISHED GOODS											
All manufacturing industries	117,691	117,047	115,917	+0.6	+1.0	+0.5	118,258	119,443	117,687	109,985	+7.5
Durable goods industries	60,740	60,650	60,218	+0.1	+0.7	-0.5	61,615	62,764	61,774	57,547	+7.1
Stone, clay, and glass products	4,069	4,068	4,011	0.0	+1.4	+1.2	4,141	4,295	4,159	3,784	+9.4
Primary metals	5,808	5,767	5,671	+0.7	+1.7	-0.9	5,934	6,024	5,846	5,273	+12.5
Fabricated metal products	6,882	6,846	6,771	+0.5	+1.1	+0.6	7,066	7,031	6,930	6,712	+5.3
Machinery, except electrical	15,098	15,011	15,129	+0.6	-0.8	-2.1	15,062	15,406	15,425	14,066	+7.1
Electrical machinery	9,913	9,979	9,911	-0.7	+0.7	+1.2	10,240	10,447	10,234	9,707	+5.5
Transportation equipment	7,595	7,794	7,601	-2.6	+2.5	-1.3	7,614	7,949	7,705	7,038	+8.2
Instruments and related products	4,050	4,035	4,116	+0.4	-2.0	+1.3	4,073	4,128	4,138	3,666	+11.1
Lumber, furniture and miscellaneous durable goods	7,325	7,150	7,008	+2.4	+2.0	-0.9	7,485	7,484	7,337	7,301	+2.5
Nondurable goods industries	56,951	56,397	55,699	+1.0	+1.3	+1.5	56,643	56,679	55,913	52,438	+8.0
Food and kindred products	14,878	14,782	14,839	+0.6	-0.4	+2.5	13,886	13,970	14,177	12,778	+8.7
Tobacco products	1,142	1,075	1,049	+6.2	+2.5	+1.7	1,072	1,051	1,167	992	+8.1
Textile mill products	3,062	3,092	3,002	-1.0	+3.0	+3.0	3,168	3,212	3,096	3,045	+4.0
Paper and allied products	4,286	4,205	4,151	+1.9	+1.3	+0.7	4,380	4,403	4,313	3,992	+9.7
Chemicals and allied products	14,528	14,336	14,031	+1.3	+2.2	+0.8	14,330	14,356	14,296	12,480	+14.8
Petroleum and coal products	5,237	5,126	4,992	+2.2	+2.7	+3.5	5,238	5,126	4,875	4,945	+5.9
Rubber and plastics products	5,056	4,992	4,943	+1.3	+1.0	+0.3	5,121	5,213	5,213	4,438	+15.4
Apparel, printing and publishing and leather goods	8,762	8,789	8,692	-0.3	+1.1	+0.4	9,448	9,348	8,776	9,768	-3.3

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1989[p]	May 1989[r]	Apr. 1989	Mar. 1988	June 1989[p]	May 1989[r]	Apr. 1989	Mar. 1988
All manufacturing industries	1.58	1.57	1.55	1.58	3.83	3.80	3.79	3.83
Durable goods industries	1.99	1.97	1.95	1.99	4.65	4.62	4.61	4.65
Stone, clay, and glass products	1.41	1.43	1.41	1.48	1.10	1.12	1.10	1.17
Primary metals	1.74	1.73	1.68	1.69	2.13	2.14	2.07	2.06
Fabricated metal products	1.77	1.79	1.80	1.82	2.29	2.27	2.33	2.38
Machinery, except electrical	2.13	2.15	2.16	2.17	2.94	2.94	2.96	2.95
Electrical machinery	2.08	2.08	2.05	2.11	4.55	4.54	4.53	4.73
Transportation equipment	2.26	2.17	2.12	2.18	12.96	12.97	12.84	12.99
Instruments and related products	2.23	2.18	2.28	2.31	2.29	2.26	2.32	2.34
Nondurable goods industries	1.13	1.12	1.11	1.13	0.75	0.74	0.74	0.77
Food and kindred products	0.80	0.81	0.82	0.81	(X)	(X)	(X)	(X)
Tobacco products	2.85	2.61	2.57	2.68	(X)	(X)	(X)	(X)
Textile mill products	1.51	1.47	1.43	1.41	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.13	1.11	1.09	1.09	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.36	1.35	1.34	1.37	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.87	0.84	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.26	1.27	1.29	1.34	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

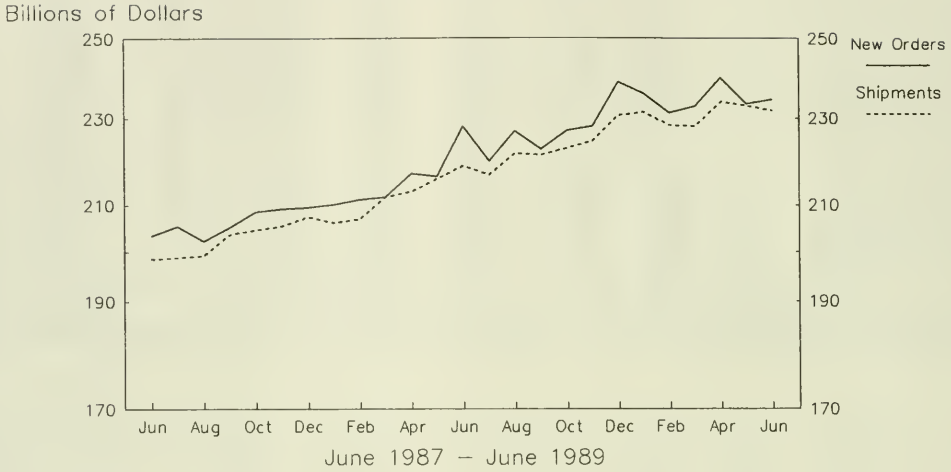
Industry	Shipments			New orders			Unfilled orders			Inventories		
	June 1988	June[1] 1984-1988	June 1988-May 1989	June 1988	June[1] 1984-1988	June 1988-May 1989	June 1988	June[1] 1984-1988	June 1988-May 1989	June 1988	June[1] 1984-1988	June 1988-May 1989
All manufacturing industries	0.0	0.2	0.2	0.1	0.2	0.3	0.0	0.1	0.1	0.2	0.1	0.1
Durable goods industries	0.1	0.2	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.2	0.1	0.1
Stone, clay, and glass products	0.8	0.5	0.6	1.0	0.7	0.5	0.3	1.1	0.3	0.5	0.4	0.2
Primary metals	1.4	0.7	0.3	2.2	1.8	0.9	0.1	0.8	0.3	0.7	0.2	0.3
Fabricated metal products	0.0	0.2	0.4	2.9	0.7	0.8	1.0	0.4	0.2	0.1	0.2	0.1
Machinery, except electrical	1.0	0.5	0.6	1.4	0.8	1.4	0.5	0.2	0.4	0.4	0.2	0.2
Electrical machinery	0.5	0.3	0.3	0.4	0.5	0.5	0.2	0.1	0.1	0.1	0.1	0.1
Transportation equipment	1.1	0.5	0.3	1.3	0.5	0.7	0.2	0.1	0.1	0.5	0.2	0.1
Instruments and related products	0.0	0.6	0.6	1.9	1.5	1.6	1.0	1.0	0.5	0.2	0.2	0.2
Nondurable goods industries	0.2	0.3	0.3	0.4	0.4	0.3	1.9	0.7	0.6	0.1	0.1	0.1
Food and kindred products	0.7	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
Tobacco products	0.0	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.1
Textile mill products	2.6	1.8	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.4
Paper and allied products	1.3	0.9	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.3	0.3
Chemicals and allied products	1.0	1.2	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.2
Petroleum and coal products	1.7	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.5	0.6
Rubber and plastics products	0.5	0.6	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.4
Capital goods industries:												
Nondefense	0.6	0.4	0.4	0.1	0.4	0.9	0.0	0.1	0.2	0.2	0.1	0.1
Defense	3.6	1.2	0.6	7.3	2.6	1.8	0.1	0.1	0.1	0.5	0.4	0.1

(X) Not applicable. (NA) Not available.

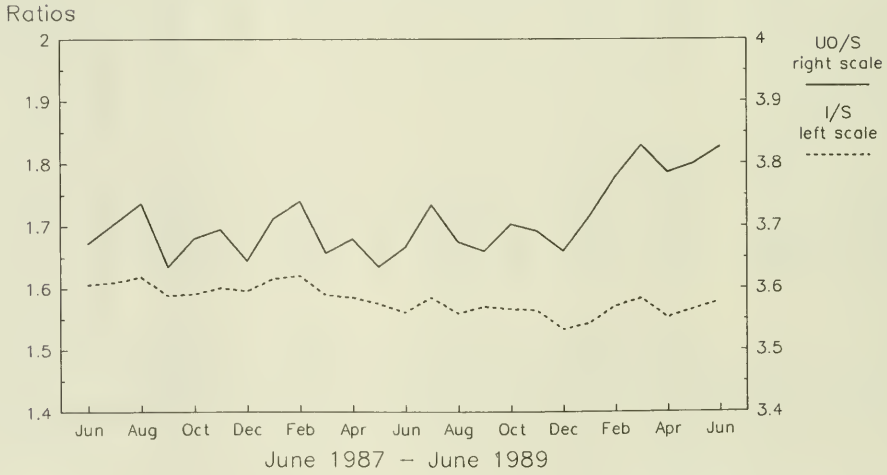
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments



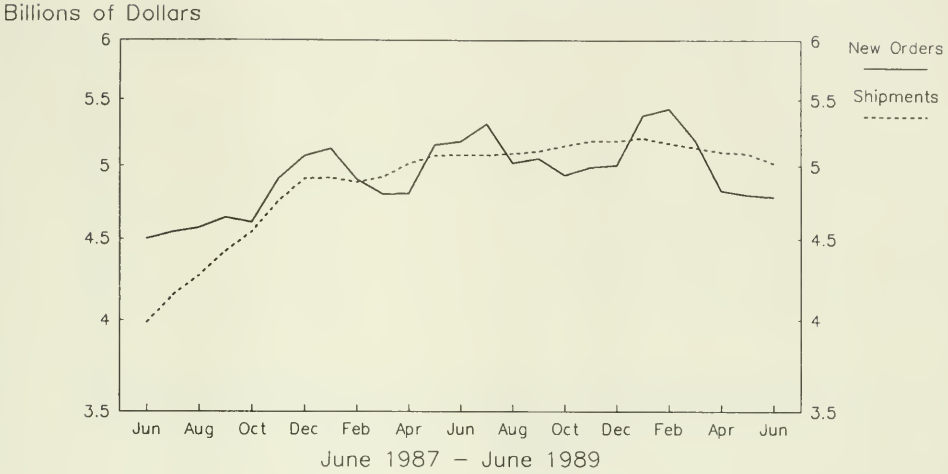
Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

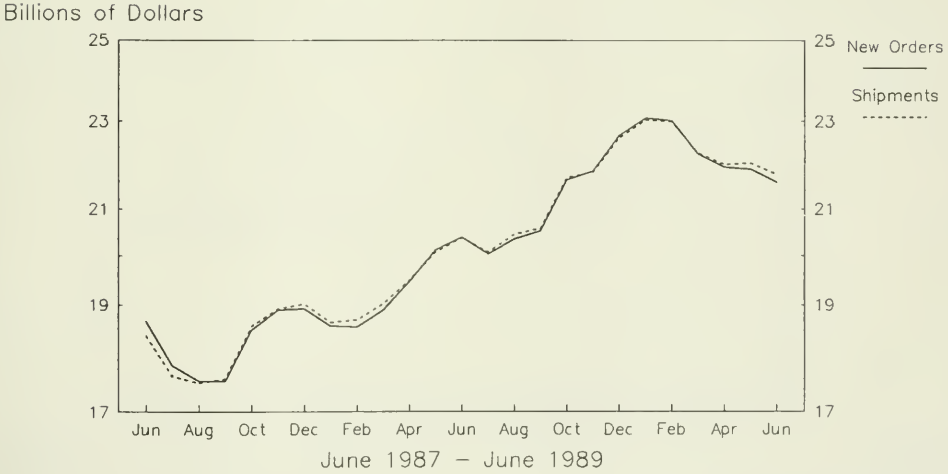
Blast Furnaces, Steel Mill Products

New Orders and Shipments
Three Month Moving Averages



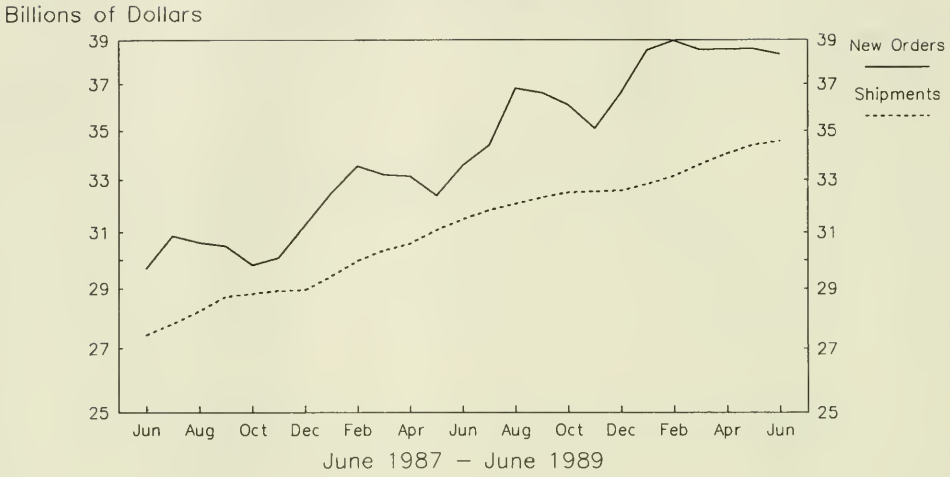
Automotive Equipment

New Orders and Shipments
Three Month Moving Averages

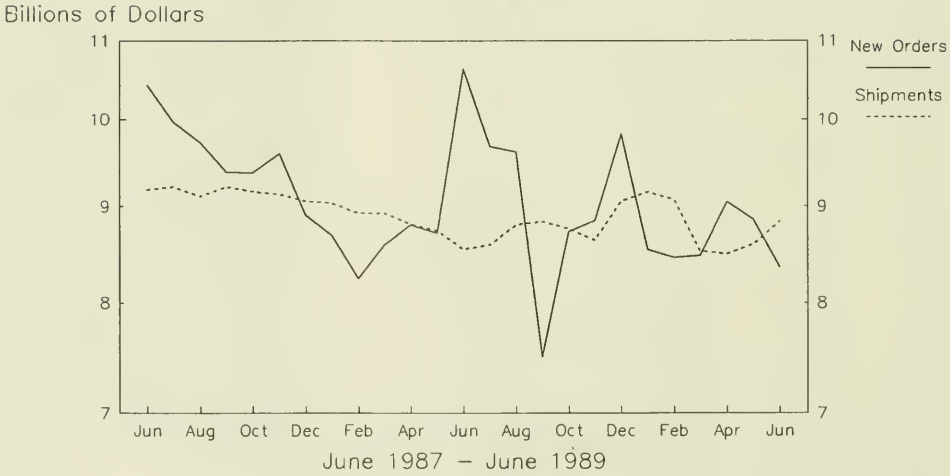


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



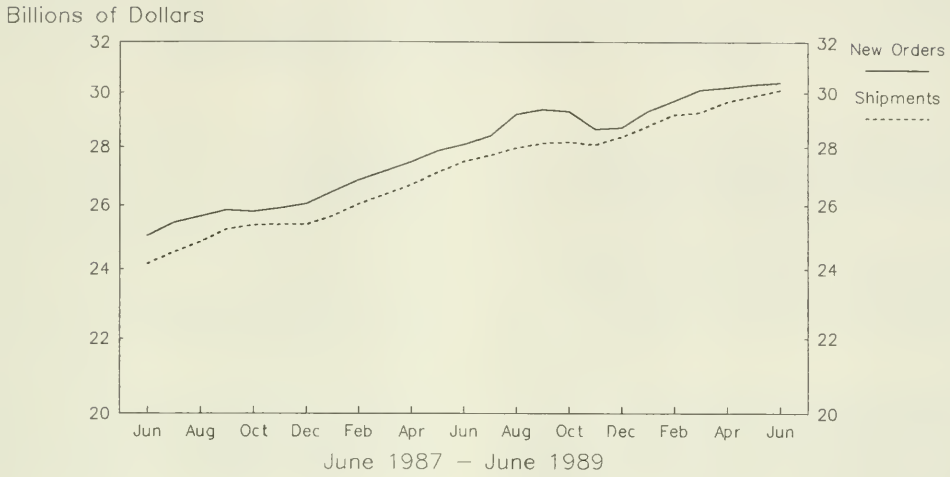
Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

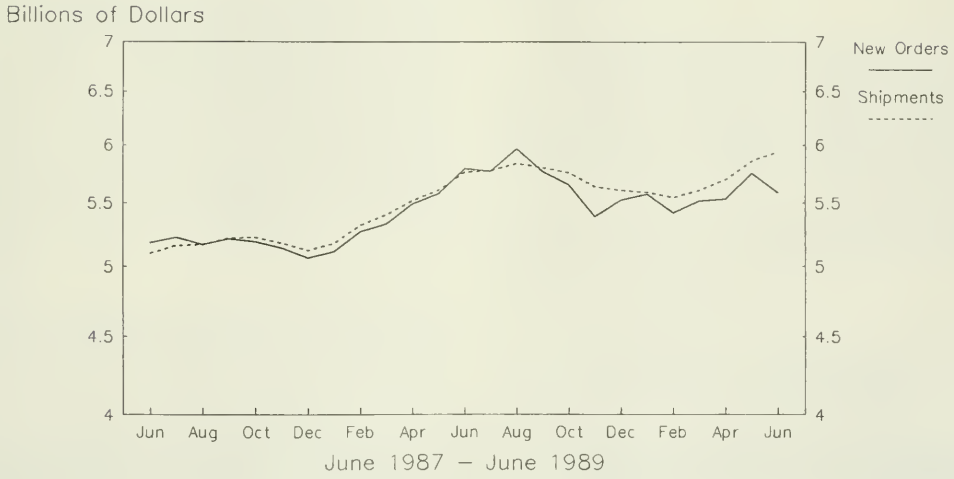
Nondefense Excluding Aircraft and Parts

New Orders and Shipments
Three Month Moving Averages



Office and Computing Equipment

New Orders and Shipments
Three Month Moving Average



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3.158:m 3-1(89)-11
urrent Industrial Reports, ...

Manufacturers' Shipments, Inventories, and Orders

November 1989

M3-1-(89)-11

U. S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmissions 10:00 a.m. E.S.T. Friday, January 5, 1990

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in November increased $5.7 billion or 2.4 percent to $239.7 billion, the Department of Commerce, Bureau of the Census reported today. The increase followed declines in September of 1.0 percent and October of 0.1 percent, and approaches the high of $239.9 billion reported last April.

Shipments of manufactured goods in November increased $1.1 billion or 0.5 percent to $233.1 billion, following declines in September of 1.9 percent and October of 0.7 percent. The high for shipments was last August at $238.2 billion.

Manufacturers' unfilled orders in November increased $6.6 billion or 1.3 percent to $504.5 billion. The growth in the order backlog continues to be attributable mostly to transportation equipment, particularly the aircraft and parts industry. Excluding transportation, the November increase was 0.4 percent.

Manufacturers' inventories increased $1.3 billion or 0.3 percent in November to $373.0 billion. The inventory to shipments ratio was 1.60, the same as October.

New Orders

All of the increase in November orders was for durable goods, up $6.0 billion or 4.8 percent to $130.2 billion. Increases were widespread within the major industry categories. Transportation equipment increased $3.5 billion or 10.6 percent to $36.7 billion; aircraft and parts accounted for most of the gain, up $2.6 billion or 21.2 percent to $14.7 billion. Electrical machinery was up $1.6 billion or 7.7 percent to $21.7 billion, most of which was in defense communication equipment. Nonelectrical machinery was up $1.2 billion or 5.7 percent to $22.7 billion and primary metals $0.2 billion or 2.2 percent to $11.3 billion. New orders for nondurable goods declined $0.3 billion or 0.3 percent to $109.5 billion.

Shipments

All of the increase in November shipments was for durable goods, although the increases were not as widespread as the order increases. Total durable shipments were up $1.7 billion or 1.4 percent to $123.5 billion. Transportation was up $1.3 billion or 4.3 percent to $31.1 billion. Motor vehicles and parts increased $1.5 billion or 7.9 percent to $20.0 billion. Smaller increases were in nonelectrical machinery, up $0.3 billion or 1.6 percent to $22.3 billion, and fabricated metals up $0.2 billion or 1.5 percent to $14.2 billion.

Shipments of nondurable goods declined $0.5 billion or 0.5 percent to $109.6 billion. Within the specific industries, petroleum products had the largest decline, down $0.4 billion or 3.2 percent to $11.5 billion.

Unfilled Orders

The order backlog for durable goods increased in November $6.7 billion or 1.4 percent to $484.2 billion. The increase was concentrated in aircraft and parts and communication equipment. Aircraft and parts increased $5.7 billion or 2.7 percent to $218.2 billion, and communication equipment $1.4 billion or 2.2 percent to $65.3 billion. Excluding these categories the backlog of orders for durable goods declined slightly.

The order backlog for nondurable goods decreased $0.1 billion or 0.6 percent to $20.2 billion, the third consecutive monthly decline. The level is about the same as a year ago.

Inventories

Nearly all of the increase in inventories was in the durable goods industries, up $1.4 billion or 0.6 percent to $247.8 billion. Transportation equipment increased $1.1 billion or 1.5 percent to $71.7 billion, virtually all in aircraft and parts. Excluding transportation, the increase was 0.2 percent. Nondurable goods inventories were relatively flat at $125.2 billion; an increase in apparel nearly offset declines in most of the other categories.

By stage of fabrication, materials and supply inventories were up 0.6 percent, work in process was up 0.8 percent and finished goods were down 0.3 percent.

Scheduled Release Dates

The advance report on durable goods for December is scheduled for January 26, 1990 at 8:30 a.m. and the full report on February 2, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Nov. 1988	Nov.89/88[p]	1989[p]	1988
All manufacturing industries	233,115	231,995	233,562	+0.5	-0.7	-1.9	231,417	238,230	247,693	222,837	+3.9	2,552,786	2,385,557
Manufacturing industries with unfilled orders	129,363	128,725	130,818	+0.5	-1.6	-1.1	129,360	132,008	139,942	124,534	+3.9	1,410,317	1,319,514
Durable goods industries	123,490	121,840	124,393	+1.4	-2.1	-3.1	122,427	125,350	132,337	118,636	+3.2	1,349,509	1,265,729
With unfilled orders	101,762	101,335	103,494	+0.4	-2.1	-1.3	101,490	103,385	111,259	97,698	+3.9	1,110,554	1,035,176
Stone, clay, and glass products	5,433	5,515	5,328	-1.5	+3.5	-2.3	5,406	5,900	5,715	5,507	-1.8	60,094	59,229
Primary metals	11,654	11,819	11,978	-1.4	-1.3	-1.9	11,403	12,059	12,210	12,308	-7.4	135,425	130,400
Blast furnaces, steel mills	4,812	4,845	4,863	-0.7	-0.4	-2.2	4,615	4,890	4,841	4,945	-6.7	55,142	56,114
Iron and steel foundries	784	815	900	-3.8	-9.4	+6.5	785	885	901	903	-13.1	9,522	9,581
Nonferrous and other primary metals	6,058	6,159	6,215	-1.6	-0.9	-2.8	6,003	6,284	6,468	6,460	-7.1	70,761	64,705
Fabricated metal products	14,190	13,983	13,939	+1.5	+0.3	-0.9	13,713	14,506	14,581	12,234	+12.1	149,859	132,332
Machinery, except electrical	22,328	21,985	22,245	+1.6	-1.2	-2.6	21,296	21,561	24,436	20,124	+5.8	241,532	223,466
Engines and turbines	1,273	1,345	1,420	-5.4	-5.3	-2.3	1,278	1,263	1,503	1,311	-2.5	14,876	14,314
Construction, mining and material handling equipment	3,020	3,106	2,780	-2.8	+11.7	-5.8	3,002	3,063	2,813	2,452	+22.4	30,752	27,506
Metalworking machinery	1,032	1,031	1,010	+0.1	+2.1	-11.4	1,092	1,113	1,117	1,038	+5.2	11,222	10,212
Office and computing machines	5,638	5,580	6,059	+1.0	-7.9	+3.2	5,497	4,946	7,855	5,482	+0.3	61,641	59,903
Electrical machinery	19,936	19,930	20,312	0.0	-1.9	+1.2	20,359	20,098	22,314	19,640	+3.7	217,686	206,408
Electrical transmission and distribution equipment and industrial apparatus	2,382	2,388	2,446	-0.3	-2.4	-2.0	2,354	2,396	2,709	2,386	-1.3	27,363	25,220
Household appliances	1,642	1,621	1,513	+1.3	+7.1	-1.2	1,525	1,689	1,653	1,378	+10.7	17,806	16,721
Radio and TV	1,030	1,106	1,052	-6.9	+5.1	-6.9	1,200	1,336	1,360	1,222	-1.8	11,476	10,719
Communication equipment	6,597	6,483	6,803	+1.8	-4.7	+4.9	6,736	6,153	7,435	6,274	+7.4	69,587	66,529
Electronic components	4,917	4,922	4,981	-0.1	-1.2	+4.2	4,843	4,860	5,283	4,528	+7.0	53,265	50,211
Other electrical machinery	3,368	3,410	3,517	-1.2	-3.0	-3.4	3,701	3,664	3,874	3,852	-3.9	38,189	37,008
Transportation equipment	31,101	29,819	32,167	+4.3	-7.3	-8.9	31,855	31,212	33,365	31,334	+1.7	341,381	319,934
Motor vehicles and parts	19,974	18,518	19,239	+7.9	-3.7	-14.9	20,632	20,121	19,962	20,049	+2.9	216,603	201,237
Aircraft, missiles, and parts.	9,010	9,202	10,622	-2.1	-13.4	+2.9	9,266	8,960	11,104	9,301	-0.4	100,964	96,075
Shipbuilding and military tank vehicles	968	832	960	+16.3	-13.3	-5.0	954	808	969	852	+12.0	9,997	9,232
Instruments and related products	6,642	6,595	6,549	+0.7	+0.7	+3.2	6,567	6,659	7,055	5,901	+11.3	70,257	65,933
Scientific and engineering instruments	4,521	4,408	4,429	+2.6	-0.5	+3.6	4,345	4,372	4,750	3,818	+13.8	46,817	44,503
All other durable goods	12,206	12,194	11,875	+0.1	+2.7	-1.7	11,828	13,355	12,661	11,588	+2.1	133,275	128,027
Nondurable goods industries	109,625	110,155	109,169	-0.5	+0.9	-0.6	108,990	112,880	115,356	104,201	+4.6	1,203,277	1,119,828
With unfilled orders	27,601	27,390	27,324	+0.8	+0.2	-0.1	27,870	28,623	28,683	26,836	+3.9	299,763	284,338
Food and kindred products	32,787	32,882	32,258	-0.3	+1.9	-2.2	32,678	33,791	34,416	30,582	+6.9	355,738	326,085
Dairy products	4,665	4,472	4,415	+4.3	+1.3	-3.6	4,665	4,428	4,533	4,142	+12.6	47,890	44,776
Beverages	4,179	4,130	4,163	+1.2	-0.8	-2.3	3,920	4,076	4,208	3,910	+0.3	46,804	44,140
All other foods	15,501	15,888	15,467	-2.4	+2.7	-2.0	15,672	16,546	17,168	14,601	+7.3	167,539	150,203
Tobacco products	2,190	2,323	2,008	-5.7	+15.7	+2.4	2,363	2,111	2,331	2,253	+4.9	21,574	19,785
Textile mill products	5,398	5,311	5,216	+1.6	+1.8	-2.4	5,386	5,657	5,754	5,221	+3.2	58,940	54,656
Broadwoven fabrics	3,246	3,232	3,097	+0.4	+4.4	-2.8	3,152	3,382	3,424	3,081	+2.3	35,493	33,317
Paper and allied products	11,032	10,976	10,857	+0.5	+1.1	-0.3	10,636	11,046	11,091	10,373	+2.5	120,292	113,880
Pulp, paper etc.	4,764	4,742	4,774	+0.5	-0.7	-0.4	4,619	4,713	4,761	4,647	-0.6	53,247	50,406
Paperboard containers	2,742	2,736	2,558	+0.2	+7.0	-4.6	2,621	2,805	2,667	2,562	+2.3	29,804	28,129
All other paper products	3,526	3,498	3,525	+0.8	-0.8	+3.3	3,396	3,528	3,663	3,164	+7.3	37,241	35,345
Chemicals and allied products	21,235	21,166	20,877	+0.3	+1.4	-2.7	20,145	20,566	21,837	20,104	+0.2	234,771	220,079
Industrial chemicals, except pigments	5,355	5,562	5,429	-3.7	+2.4	-5.2	5,173	5,501	5,457	5,936	-12.9	63,891	61,916
Drugs, soaps, and toiletries	7,036	6,872	6,852	+2.4	+0.3	-2.0	6,755	6,766	7,970	6,140	+10.0	74,482	66,813
Other chemical products	5,650	5,563	5,524	+1.6	+0.7	0.0	5,537	5,548	5,643	5,517	+0.4	62,466	59,452
Petroleum and coal products	11,537	11,924	11,902	-3.2	+0.2	+8.3	11,551	12,103	12,076	10,120	+14.1	126,305	113,855
Rubber and plastics products	7,513	7,556	7,943	-0.6	-4.9	-3.7	7,362	7,954	8,249	7,724	-4.7	88,798	83,571
All other nondurable goods	17,933	18,017	18,108	-0.5	-0.5	+0.9	18,869	19,652	19,602	17,824	+5.9	196,859	188,138
Market categories:													
Home goods and apparel	14,795	14,918	14,657	-0.8	+1.8	-1.1	15,273	16,576	16,679	14,898	+2.5	164,589	157,920
Consumer staples	46,660	46,808	46,076	-0.3	+1.6	-1.2	46,915	47,701	49,886	43,576	+7.7	502,209	457,621
Equipment and defense prod. except automotive	38,999	38,644	40,530	+0.9	-4.7	+0.6	37,987	37,688	44,095	35,706	+6.4	419,646	390,137
Automotive equipment	22,359	20,933	21,578	+6.8	-3.0	-13.6	22,827	22,768	22,407	22,393	+1.9	243,029	227,905
Construction materials, supplies and intermediate products	17,724	17,767	17,463	-0.2	+1.7	-2.4	17,030	18,966	18,533	16,797	+1.4	194,768	188,756
Other materials, supplies, and intermediate products	92,578	92,925	93,258	-0.4	-0.4	-0.3	91,385	94,531	96,093	89,467	+2.1	1,028,545	963,218
Supplementary series:[2]													
Capital goods industries	42,573	42,424	44,962	+0.4	-5.6	-0.3	42,524	41,711	48,985	41,288	+3.0	468,460	438,077
Nondefense	33,942	34,171	35,730	-0.7	-4.4	-1.2	33,451	33,548	39,324	32,257	+3.7	374,691	343,560
Excluding aircraft and parts	29,756	29,475	30,050	+1.0	-1.9	-2.2	29,304	29,103	33,405	27,872	+5.1	325,159	299,544
Defense	8,631	8,253	9,232	+4.6	-10.6	+3.3	9,073	8,163	9,661	9,031	+0.5	93,769	94,517
Household durable goods industries	7,073	7,025	6,758	+0.7	+4.0	-2.3	7,258	7,747	7,795	7,050	+3.0	76,620	72,919

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Nov. 1988	Nov.89/88[p]	1989[p]	1988
All manufacturing industries	239,740	234,067	234,354	+2.4	-0.1	-1.0	238,399	237,369	247,945	225,235	+5.8	2,588,113	2,423,815
Manufacturing industries with unfilled orders	135,988	130,797	131,610	+4.0	-0.6	+0.6	136,342	131,147	140,194	126,932	+7.4	1,445,644	1,357,772
Durable goods industries	130,227	124,262	125,227	+4.8	-0.8	-1.2	130,003	125,267	132,753	121,294	+7.2	1,385,240	1,303,375
With unfilled orders	108,499	103,757	104,328	+4.6	-0.5	+1.0	109,066	103,302	111,675	100,356	+8.7	1,146,285	1,072,822
Stone, clay, and glass products	5,442	5,572	5,378	-2.3	+3.6	+2.6	5,459	5,802	5,732	5,618	-2.8	59,669	59,971
Primary metals	11,263	11,022	11,399	+2.2	-3.3	+1.3	11,067	10,826	11,298	12,059	-8.2	131,332	131,033
Blast furnaces, steel mills	4,590	4,768	4,541	-3.7	+5.0	+2.4	4,462	4,555	4,340	4,773	-6.5	52,242	54,697
Iron and steel foundries	778	789	846	-1.4	-6.7	+0.2	772	872	849	864	-10.6	9,631	9,840
Nonferrous and other primary metals	5,895	5,465	6,012	+7.9	-9.1	+0.7	5,833	5,399	6,109	6,422	-9.2	69,459	66,496
Fabricated metal products	13,852	13,875	13,689	-0.2	+1.4	+3.1	13,301	14,273	14,057	12,007	+10.8	146,898	130,699
Machinery, except electrical	22,700	21,476	22,554	+5.7	-4.8	-0.4	21,878	20,667	24,382	20,896	+4.7	243,846	231,084
Engines and turbines	1,509	1,295	1,544	+16.5	-16.1	+6.9	1,591	1,354	1,670	1,334	+19.3	17,092	14,447
Construction, mining and material handling equipment	3,094	3,021	2,732	+2.4	+10.6	-10.0	3,115	2,937	2,740	2,581	+20.7	31,511	28,528
Metalworking machinery	1,146	1,097	1,118	+4.5	-1.9	+0.2	1,126	1,044	1,240	1,270	-11.3	11,386	12,152
Office and computing machines	5,809	5,775	6,363	+0.6	-9.2	+6.3	5,734	5,024	7,834	5,492	+4.4	61,414	59,907
Electrical machinery	21,689	20,131	20,898	+7.7	-3.7	+7.6	21,871	20,258	23,204	19,846	+10.2	217,292	206,935
Electrical transmission and distribution equipment and industrial apparatus	2,411	2,335	2,418	+3.3	-3.4	+4.9	2,356	2,321	2,675	2,321	+1.5	27,432	25,748
Communication equipment	7,973	6,339	7,266	+25.8	-12.8	+23.2	8,218	6,258	8,509	7,091	+15.9	69,394	65,722
Electronic components	5,091	5,127	5,171	-0.7	-0.9	+4.3	4,842	4,874	5,212	4,115	+17.7	52,707	50,329
Other electrical machinery	3,488	3,550	3,541	-1.7	+0.3	-3.1	3,701	3,829	3,899	3,754	-1.4	38,467	37,643
Transportation equipment	36,688	33,185	32,555	+10.6	+1.9	-10.8	38,948	33,696	34,466	33,583	+16.0	382,699	348,811
Aircraft, missiles, and parts.	14,705	12,135	11,570	+21.2	+4.9	-6.9	16,375	11,147	12,761	11,728	+39.6	143,178	119,046
Shipbuilding and military tank vehicles	748	1,464	724	-48.9	102.2	+56.0	735	1,389	769	681	+7.9	9,903	14,685
Instruments and related products	6,449	6,724	6,645	-4.1	+1.2	+4.2	6,252	6,700	7,167	6,127	+2.0	69,657	66,601
Scientific and engineering instruments	4,308	4,516	4,494	-4.6	+0.5	+5.0	4,068	4,490	4,795	4,070	0.0	46,334	45,200
All other durable goods	12,144	12,277	12,109	-1.1	+1.4	+0.6	11,227	13,045	12,447	11,158	+0.6	133,847	128,241
Nondurable goods industries	109,513	109,805	109,127	-0.3	+0.6	-0.8	108,396	112,102	115,192	103,941	+4.3	1,202,873	1,120,440
With unfilled orders	27,489	27,040	27,282	+1.7	-0.9	-1.0	27,276	27,845	28,519	26,576	+2.6	299,359	284,950
Market categories:													
Home goods and apparel	14,757	15,148	14,823	-2.6	+2.2	+0.4	14,490	16,171	16,314	14,237	+1.8	165,158	157,893
Consumer staples	46,680	46,809	46,040	-0.3	+1.7	-1.3	46,963	47,645	49,815	43,608	+7.7	502,265	457,775
Equipment and defense prod. except automotive	44,142	40,634	41,707	+8.6	-2.6	+4.0	44,990	38,451	46,442	40,284	+11.7	451,003	414,816
Automotive equipment	22,384	20,788	21,423	+7.7	-3.0	-13.7	22,943	22,538	22,220	22,469	+2.1	241,740	227,328
Construction materials, supplies and intermediate products	17,570	17,685	17,546	-0.7	+0.8	+1.2	16,896	18,672	18,413	16,783	+0.7	192,989	189,345
Other materials, supplies, and intermediate products	94,207	93,003	92,815	+1.3	+0.2	-0.3	92,117	93,892	94,741	87,854	+4.9	1,034,958	976,658
Supplementary series:													
Capital goods industries	49,946	45,546	45,980	+9.7	-0.9	+2.0	51,534	43,911	50,985	44,844	+14.9	512,464	473,190
Nondefense	38,759	35,975	35,341	+7.7	+1.8	-4.8	38,248	34,937	38,884	35,563	+7.5	417,472	377,280
Excluding aircraft and parts	30,386	29,084	30,313	+4.5	-4.1	+1.1	29,914	28,297	33,617	28,348	+5.5	329,777	309,424
Defense	11,187	9,571	10,639	+16.9	-10.0	+33.7	13,286	8,974	12,101	9,281	+43.2	94,992	95,910
Household durable goods industries	6,995	7,139	6,893	-2.0	+3.6	-0.3	6,666	7,340	7,459	6,586	+1.2	76,887	72,954

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Nov. 1988	Nov.89/88[p]
All manufacturing industries	504,491	497,866	495,794	+1.3	+0.4	+0.2	499,261	492,279	493,140	454,256	+9.9
Durable goods industries	484,246	477,509	475,087	+1.4	+0.5	+0.2	479,688	472,112	472,195	434,209	+10.5
Stone, clay, and glass products	5,273	5,264	5,207	+0.2	+1.1	+1.0	5,187	5,134	5,232	5,819	-10.9
Primary metals	22,384	22,775	23,572	-1.7	-3.4	-2.4	21,051	21,387	22,620	23,811	-11.6
Blast furnaces, steel mills	8,496	8,718	8,795	-2.5	-0.9	-3.5	7,825	7,978	8,313	10,008	-21.8
Iron and steel foundries	2,314	2,320	2,346	-0.3	-1.1	-2.3	2,289	2,302	2,315	2,190	+4.5
Nonferrous and other primary metals	11,574	11,737	12,431	-1.4	-5.6	-1.6	10,937	11,107	11,992	11,613	-5.8
Fabricated metal products	25,514	25,852	25,960	-1.3	-0.4	-1.0	25,231	25,643	25,876	28,016	-9.9
Machinery, except electrical	61,951	61,579	62,088	+0.6	-0.8	+0.5	61,593	61,011	61,905	59,609	+3.3
Engines and turbines	6,529	6,293	6,343	+3.8	-0.8	+2.0	6,818	6,505	6,414	5,455	+25.0
Construction, mining and material handling equipment	9,491	9,417	9,502	+0.8	-0.9	-0.5	9,282	9,169	9,295	8,075	+14.9
Metalworking machinery	4,737	4,623	4,557	+2.5	+1.4	+2.4	4,746	4,712	4,781	4,676	+1.5
Office and computing machines	12,843	12,672	12,477	+1.3	+1.6	+2.5	12,843	12,606	12,528	13,520	-5.0
Electrical machinery	92,525	90,772	90,571	+1.9	+0.2	+0.7	91,996	90,484	90,324	92,671	-.7
Electrical transmission and distribution equipment and industrial apparatus	6,968	6,939	6,992	+0.4	-0.8	-0.4	6,917	6,915	6,990	6,914	.0
Communication equipment	65,340	63,964	64,108	+2.2	-0.2	+0.7	65,343	63,861	63,756	65,555	-.3
Electronic components	14,305	14,131	13,926	+1.2	+1.5	+1.4	13,847	13,848	13,834	14,461	-4.2
Other electrical machinery	4,947	4,827	4,687	+2.5	+3.0	+0.5	4,942	4,942	4,777	4,749	+4.1
Transportation equipment	254,607	249,020	245,654	+2.2	+1.4	+0.2	253,785	246,692	244,208	203,586	+24.7
Aircraft, missiles, and parts.	218,193	212,498	209,565	+2.7	+1.4	+0.5	217,346	210,237	208,050	168,377	+29.1
Shipbuilding and military tank vehicles	25,995	26,215	25,583	-0.8	+2.5	-0.9	26,143	26,362	25,781	24,232	+7.9
Instruments and related products	14,248	14,441	14,312	-1.3	+0.9	+0.7	14,100	14,415	14,374	14,166	-.5
Scientific and engineering instruments	13,230	13,443	13,335	-1.6	+0.8	+0.5	13,164	13,441	13,323	13,257	-.7
All other durable goods	7,744	7,806	7,723	-0.8	+1.1	+3.1	6,745	7,346	7,656	6,531	+3.3
Nondurable goods industries	20,245	20,357	20,707	-0.6	-1.7	-0.2	19,573	20,167	20,945	20,047	-2.4
Market categories:											
Home goods and apparel	8,455	8,493	8,263	-0.4	+2.8	+2.1	7,144	7,927	8,332	7,051	+1.3
Consumer staples	934	914	913	+2.2	+0.1	-3.8	900	852	908	822	+9.5
Equipment and defense prod. except automotive	318,896	313,753	311,763	+1.6	+0.6	+0.4	318,054	311,051	310,288	276,871	+14.9
Automotive equipment	7,697	7,672	7,817	+0.3	-1.9	-1.9	7,574	7,458	7,688	8,626	-12.2
Construction materials, supplies and intermediate products	13,636	13,790	13,872	-1.1	-0.6	+0.6	13,362	13,496	13,790	15,184	-12.0
Other materials, supplies, and intermediate products	154,873	153,244	153,166	+1.1	+0.1	-0.3	152,227	151,495	152,134	145,702	+4.5
Supplementary series:											
Capital goods industries	389,282	381,909	378,787	+1.9	+0.8	+0.3	388,247	379,237	377,037	336,095	+15.5
Nondefense	221,792	216,975	215,171	+2.2	+0.8	-0.2	221,554	216,757	215,368	172,580	+28.4
Excluding aircraft and parts	91,596	90,966	91,357	+0.7	-0.4	+0.3	91,358	90,748	91,554	87,592	+4.3
Defense	167,490	164,934	163,616	+1.5	+0.8	+0.9	166,693	162,480	161,669	163,515	+1.9
Household durable goods industries	6,079	6,157	6,043	-1.3	+1.9	+2.3	4,996	5,588	5,995	4,982	+.3

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1989p	Oct. 1989r	Sept. 1989	Oct.-Nov.p	Sept.-Oct.r	Aug.-Sept.	Nov. 1989p	Oct. 1989r	Sept. 1989	Nov. 1988	Nov.89/88p
All manufacturing industries	372,995	371,712	370,890	+0.3	+0.2	-0.2	371,561	370,808	369,102	350,223	+6.1
Manufacturing industries with unfilled orders	260,049	258,612	257,825	+0.6	+0.3	-0.3	258,486	258,027	257,345	242,425	+6.6
Durable goods industries	247,790	246,427	245,621	+0.6	+0.3	-0.3	246,629	245,807	244,580	230,625	+6.9
With unfilled orders	228,704	227,183	226,482	+0.7	+0.3	-0.4	227,747	227,130	226,077	212,651	+7.1
Stone, clay, and glass products	7,839	7,870	7,844	-0.4	+0.3	+0.6	7,602	7,599	7,637	7,241	+5.0
Primary metals	20,739	20,822	21,040	-0.4	-1.0	-0.9	20,690	20,689	20,947	19,946	+3.7
Blast furnaces, steel mills	10,587	10,533	10,613	+0.5	-0.8	-0.4	10,703	10,604	10,668	9,896	+8.2
Iron and steel foundries	1,366	1,375	1,381	-0.7	-0.4	-1.6	1,306	1,314	1,329	1,258	+3.8
Nonferrous and other primary metals	8,786	8,914	9,046	-1.4	-1.5	-1.4	8,681	8,771	8,950	8,792	-1.3
Fabricated metal products	23,735	23,761	23,934	-0.1	-0.7	-1.0	23,509	23,543	23,729	23,200	+1.3
Machinery, except electrical	48,742	48,411	48,429	+0.7	0.0	+0.1	48,662	48,269	47,986	46,087	+5.6
Engines and turbines	3,132	3,135	3,134	-0.1	0.0	-2.0	3,255	3,232	3,168	3,187	+2.1
Construction, mining and material handling equipment	7,529	7,563	7,650	-0.4	-1.1	-0.1	7,491	7,533	7,576	7,434	+.8
Metalworking machinery	3,154	3,182	3,178	-0.9	+0.1	-1.1	3,163	3,225	3,188	2,946	+7.4
Office and computing machines	13,108	12,628	12,542	+3.8	+0.7	+0.4	13,121	12,667	12,440	11,964	+9.7
Electrical machinery	41,253	41,318	41,316	-0.2	0.0	-1.1	40,777	41,190	41,220	40,263	+1.3
Electrical transmission and distribution equipment and industrial apparatus	5,135	5,130	5,106	+0.1	+0.5	+0.6	5,053	5,089	5,063	5,073	-.4
Household appliances	3,075	3,140	3,151	-2.1	-0.3	-0.5	2,894	2,962	2,959	2,684	+7.8
Radio and TV	1,788	1,770	1,818	+1.0	-2.6	+5.1	1,706	1,746	1,842	1,379	+23.7
Communication equipment	16,121	16,173	16,183	-0.3	-0.1	-2.1	16,183	16,315	16,301	16,211	-.2
Electronic components	8,802	8,755	8,803	+0.5	-0.5	-1.4	8,723	8,754	8,797	8,772	-.6
Other electrical machinery	6,332	6,350	6,255	-0.3	+1.5	-1.7	6,218	6,324	6,258	6,144	+1.2
Transportation equipment	71,728	70,666	69,785	+1.5	+1.3	-0.5	72,289	71,450	70,096	62,861	+15.0
Motor vehicles and parts	12,354	12,433	12,339	-0.6	+0.8	-2.7	12,535	12,440	12,354	12,060	+3.9
Aircraft, missiles, and parts.	54,819	53,818	52,891	+1.9	+1.8	+0.1	55,120	54,529	53,150	46,362	+18.9
Shipbuilding and military tank vehicles	2,371	2,239	2,345	+5.9	-4.5	+1.2	2,428	2,341	2,406	2,325	+4.4
Instruments and related products	14,499	14,350	14,277	+1.0	+0.5	+1.3	14,380	14,311	14,285	13,724	+4.8
Scientific and engineering instruments	10,480	10,424	10,367	+0.5	+0.5	+0.1	10,459	10,400	10,376	10,043	+4.1
All other durable goods	19,255	19,229	18,996	+0.1	+1.2	+1.3	18,720	18,756	18,680	17,303	+8.2
Nondurable goods industries	125,205	125,285	125,269	-0.1	0.0	+0.1	124,932	125,001	124,522	119,598	+4.5
With unfilled orders	31,345	31,429	31,343	-0.3	+0.3	+0.2	30,739	30,897	31,268	29,774	+3.2
Food and kindred products	26,268	26,243	26,442	+0.1	-0.8	+0.4	27,452	27,439	26,831	27,210	+.9
Dairy products	2,437	2,423	2,439	+0.6	-0.7	-0.7	2,405	2,425	2,410	2,316	+3.8
Beverages	4,284	4,330	4,301	-1.1	+0.7	0.0	4,258	4,307	4,278	4,445	-4.2
All other foods	15,530	15,455	15,518	+0.5	-0.4	+0.4	16,524	16,680	16,288	15,630	+5.7
Tobacco products	5,563	5,583	5,587	-0.4	-0.1	-1.3	5,602	5,659	5,442	5,733	-2.3
Textile mill products	8,057	8,140	8,086	-1.0	+0.7	-0.1	7,812	7,931	7,941	7,433	+5.1
Broadwoven fabrics	4,581	4,623	4,583	-0.9	+0.9	+0.5	4,489	4,484	4,481	4,354	+3.1
Paper and allied products	12,558	12,605	12,597	-0.4	+0.1	+0.2	12,389	12,319	12,366	11,765	+5.3
Pulp, paper etc.	5,011	5,009	4,923	0.0	+1.7	+1.0	4,897	4,873	4,781	4,183	+17.1
Paperboard containers	3,221	3,253	3,281	-1.0	-0.9	+1.8	3,150	3,189	3,266	3,142	+.3
All other paper products	4,326	4,343	4,393	-0.4	-1.1	-1.8	4,342	4,257	4,319	4,440	-2.2
Chemicals and allied products	29,295	29,386	29,415	-0.3	-0.1	+0.1	29,047	28,981	28,844	27,044	+7.4
Industrial chemicals, except pigments	8,224	8,279	8,243	-0.7	+0.4	+0.5	8,092	8,153	8,148	7,100	+14.0
Drugs, soaps, and toiletries	9,786	9,807	9,780	-0.2	+0.3	+0.3	9,806	9,745	9,561	9,546	+2.7
Other chemical products	7,395	7,426	7,461	-0.4	-0.5	0.0	7,210	7,232	7,293	6,755	+6.7
Petroleum and coal products	10,259	10,370	10,335	-1.1	+0.3	-1.1	10,576	10,493	10,289	9,108	+16.1
Rubber and plastics products	10,607	10,640	10,629	-0.3	+0.1	0.0	10,322	10,327	10,451	10,068	+2.5
All other nondurable goods	22,598	22,318	22,178	+1.3	+0.6	+0.9	21,732	21,852	22,358	21,237	+2.3
Market categories:											
Home goods and apparel	28,010	27,729	27,548	+1.0	+0.7	+1.2	26,707	26,878	27,154	25,156	+6.2
Consumer staples	45,713	45,731	45,777	0.0	-0.1	0.0	46,573	46,794	46,038	45,264	+2.9
Equipment and defense prod. except automotive	113,547	112,353	111,923	+1.1	+0.4	-0.1	113,657	112,821	111,607	103,506	+9.8
Automotive equipment	15,316	15,447	15,428	-0.8	+0.1	-2.6	15,467	15,318	15,379	14,871	+4.0
Construction materials, supplies and intermediate products	26,004	26,059	26,025	-0.2	+0.1	-0.2	25,409	25,378	25,483	24,694	+2.9
Other materials, supplies, and intermediate products	144,405	144,393	144,189	0.0	+0.1	-0.2	143,748	143,619	143,441	136,732	+5.1
Supplementary series:[2]											
Capital goods industries	131,298	129,794	128,834	+1.2	+0.7	-0.2	131,441	130,618	128,875	119,632	+9.9
Nondefense	93,072	92,075	91,803	+1.1	+0.3	+0.1	93,246	92,414	91,512	84,346	+10.6
Excluding aircraft and parts	66,959	66,524	66,313	+0.7	+0.3	-0.3	66,789	66,450	65,936	63,584	+5.0
Defense	38,226	37,719	37,031	+1.3	+1.9	-1.0	38,195	38,204	37,363	35,286	+8.2
Household durable goods industries	13,756	13,688	13,687	+0.5	0.0	+1.3	13,189	13,341	13,454	12,193	+8.2

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Oct.-Nov.[p]	Sept.-Oct.[r]	Aug.-Sept.	Nov. 1989[p]	Oct. 1989[r]	Sept. 1989	Nov. 1988	Nov.89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	115,415	114,779	114,254	+0.6	+0.5	-0.5	114,555	114,173	113,822	112,042	+2.2
Durable goods industries	68,358	68,010	67,611	+0.5	+0.6	-0.2	67,988	67,927	67,811	65,077	+4.5
Stone, clay, and glass products	2,648	2,544	2,556	+4.1	-0.5	+1.0	2,605	2,509	2,535	2,413	+8.0
Primary metals	6,489	6,531	6,652	-0.6	-1.8	-0.2	6,635	6,614	6,707	6,306	+5.2
Fabricated metal products	8,793	8,883	8,850	-1.0	+0.4	-1.0	8,670	8,735	8,847	8,402	+3.2
Machinery, except electrical	13,077	13,180	13,031	-0.8	+1.1	+0.3	12,996	13,231	13,030	12,770	+1.8
Electrical machinery	11,499	11,367	11,333	+1.2	+0.3	+1.4	11,229	11,241	11,306	10,992	+2.2
Transportation equipment	13,524	13,281	13,054	+1.8	+1.7	-2.9	13,514	13,312	13,247	12,527	+7.9
Instruments and related products	4,567	4,577	4,580	-0.2	-0.1	-1.0	4,558	4,561	4,599	4,736	-3.8
Lumber, furniture and miscellaneous durable goods	7,761	7,647	7,555	+1.5	+1.2	+2.4	7,781	7,724	7,540	6,931	+12.3
Nondurable goods industries	47,057	46,769	46,643	+0.6	+0.3	-0.9	46,567	46,246	46,011	46,965	-.8
Food and kindred products	8,642	8,567	8,581	+0.9	-0.2	-1.6	8,927	8,685	8,209	9,591	-6.9
Tobacco products	4,317	4,315	4,233	0.0	+1.9	+0.5	4,234	4,162	4,093	4,322	-2.0
Textile mill products	2,407	2,447	2,405	-1.6	+1.7	-1.8	2,293	2,336	2,354	2,214	+3.6
Paper and allied products	6,807	6,774	6,752	+0.5	+0.3	-0.1	6,733	6,684	6,731	6,468	+4.1
Chemicals and allied products	10,347	10,208	10,172	+1.4	+0.4	+0.5	10,174	10,107	10,152	9,681	+5.1
Petroleum and coal products	2,489	2,391	2,407	+4.1	-0.7	-5.0	2,517	2,371	2,360	2,183	+15.3
Rubber and plastics products	4,038	4,009	4,048	+0.7	-1.0	-0.5	3,962	3,950	4,013	4,078	-2.8
Apparel, printing and publishing and leather goods	8,010	8,058	8,045	-0.6	+0.2	-1.9	7,727	7,951	8,099	8,428	-8.3
WORK IN PROCESS											
All manufacturing industries	138,202	137,161	136,462	+0.8	+0.5	-0.7	138,627	138,122	137,004	126,306	+9.8
Durable goods industries	116,961	115,756	115,477	+1.0	+0.2	-0.9	117,265	116,594	116,013	107,063	+9.5
Stone, clay, and glass products	1,091	1,072	1,076	+1.8	-0.4	-0.6	1,033	1,036	1,058	1,042	-.9
Primary metals	8,542	8,603	8,621	-0.7	-0.2	-1.5	8,425	8,531	8,581	8,173	+3.1
Fabricated metal products	8,221	8,064	8,131	+1.9	-0.8	-1.9	8,246	8,156	8,146	8,307	-.7
Machinery, except electrical	20,204	19,797	19,956	+2.1	-0.8	-1.3	20,363	19,854	20,115	18,331	+11.1
Electrical machinery	19,421	19,616	19,765	-1.0	-0.8	-2.8	19,488	19,811	19,935	19,768	-1.4
Transportation equipment	49,993	49,259	48,632	+1.5	+1.3	-0.2	50,406	49,968	48,914	42,728	+18.0
Instruments and related products	5,724	5,592	5,488	+2.4	+1.9	+1.6	5,643	5,584	5,532	5,198	+8.6
Lumber, furniture and miscellaneous durable goods	3,765	3,753	3,808	+0.3	-1.4	+1.5	3,661	3,654	3,732	3,516	+4.1
Nondurable goods industries	21,241	21,405	20,985	-0.8	+2.0	+0.3	21,362	21,528	20,991	19,243	+11.0
Food and kindred products	2,839	2,834	2,682	+0.2	+5.7	+3.0	2,910	2,921	2,689	2,792	+4.2
Tobacco products	252	237	270	+6.3	-12.2	-6.9	342	360	308	322	+6.2
Textile mill products	2,504	2,513	2,507	-0.4	+0.2	+0.4	2,478	2,492	2,494	2,314	+7.1
Paper and allied products	1,331	1,389	1,338	-4.2	+3.8	-2.7	1,328	1,385	1,345	1,287	+3.2
Chemicals and allied products	4,830	4,838	4,756	-0.2	+1.7	-0.1	4,807	4,834	4,785	4,261	+12.8
Petroleum and coal products	2,861	2,910	2,873	-1.7	+1.3	-1.0	2,997	2,970	2,806	2,456	+22.0
Rubber and plastics products	1,467	1,484	1,432	-1.1	+3.6	-1.0	1,460	1,465	1,463	1,420	+2.8
Apparel, printing and publishing and leather goods	5,157	5,200	5,127	-0.8	+1.4	+1.7	5,040	5,101	5,101	4,391	+14.8
FINISHED GOODS											
All manufacturing industries	119,378	119,772	120,174	-0.3	-0.3	+0.8	118,379	118,513	118,276	111,875	+5.8
Durable goods industries	62,471	62,661	62,533	-0.3	+0.2	+0.7	61,376	61,286	60,756	58,485	+4.9
Stone, clay, and glass products	4,100	4,254	4,212	-3.6	+1.0	+0.6	3,964	4,054	4,044	3,786	+4.7
Primary metals	5,708	5,688	5,767	+0.4	-1.4	-0.8	5,630	5,544	5,659	5,467	+3.0
Fabricated metal products	6,721	6,814	6,953	-1.4	-2.0	+0.2	6,593	6,652	6,736	6,491	+1.6
Machinery, except electrical	15,461	15,434	15,442	+0.2	-0.1	+1.8	15,303	15,184	14,841	14,986	+2.1
Electrical machinery	10,333	10,335	10,218	0.0	+1.1	-0.5	10,060	10,138	9,979	9,503	+5.9
Transportation equipment	8,211	8,126	8,099	+1.0	+0.3	+1.3	8,369	8,170	7,935	7,606	+10.0
Instruments and related products	4,208	4,181	4,209	+0.6	-0.7	+3.5	4,179	4,166	4,154	3,790	+10.3
Lumber, furniture and miscellaneous durable goods	7,729	7,829	7,633	-1.3	+2.6	+0.1	7,278	7,378	7,408	6,856	+6.2
Nondurable goods industries	56,907	57,111	57,641	-0.4	-0.9	+0.9	57,003	57,227	57,520	53,390	+6.8
Food and kindred products	14,787	14,842	15,179	-0.4	-2.2	+1.2	15,615	15,833	15,933	14,827	+5.3
Tobacco products	994	1,031	1,084	-3.6	-4.9	-6.2	1,026	1,137	1,041	1,089	-5.8
Textile mill products	3,146	3,180	3,174	-1.1	+0.2	+0.9	3,041	3,103	3,093	2,905	+4.7
Paper and allied products	4,420	4,442	4,507	-0.5	-1.4	+1.5	4,328	4,250	4,290	4,010	+7.9
Chemicals and allied products	14,118	14,340	14,487	-1.5	-1.0	-0.2	14,066	14,040	13,907	13,102	+7.4
Petroleum and coal products	4,909	5,069	5,055	-3.2	+0.3	+0.8	5,062	5,152	5,123	4,469	+13.3
Rubber and plastics products	5,102	5,147	5,149	-0.9	0.0	+0.6	4,900	4,912	4,975	4,570	+7.2
Apparel, printing and publishing and leather goods	9,431	9,060	9,006	+4.1	+0.6	+3.1	8,965	8,800	9,158	8,418	+6.5

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1989p	Oct. 1989r	Sept. 1989	Aug. 1989	Nov. 1989p	Oct. 1989r	Sept. 1989	Aug. 1989
All manufacturing industries	1.60	1.60	1.59	1.56	3.90	3.87	3.79	3.74
Durable goods industries	2.01	2.02	1.97	1.92	4.76	4.71	4.59	4.52
Stone, clay, and glass products	1.44	1.43	1.47	1.43	1.06	1.04	1.06	1.03
Primary metals	1.78	1.76	1.76	1.74	1.92	1.93	1.97	1.98
Fabricated metal products	1.67	1.70	1.72	1.72	2.00	2.05	2.04	2.05
Machinery, except electrical	2.18	2.20	2.18	2.12	2.98	3.00	2.97	2.88
Electrical machinery	2.07	2.07	2.03	2.08	4.64	4.55	4.46	4.48
Transportation equipment	2.31	2.37	2.17	1.99	13.58	13.47	12.22	11.81
Instruments and related products	2.18	2.18	2.18	2.22	2.15	2.19	2.19	2.24
Nondurable goods industries	1.14	1.14	1.15	1.14	0.73	0.74	0.76	0.76
Food and kindred products	0.80	0.80	0.82	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.54	2.40	2.78	2.89	(X)	(X)	(X)	(X)
Textile mill products	1.49	1.53	1.55	1.51	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.15	1.16	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.38	1.39	1.41	1.37	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.87	0.87	0.95	(X)	(X)	(X)	(X)
Rubber and plastics products	1.41	1.41	1.34	1.29	(X)	(X)	(X)	(X)

pPreliminary. r Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

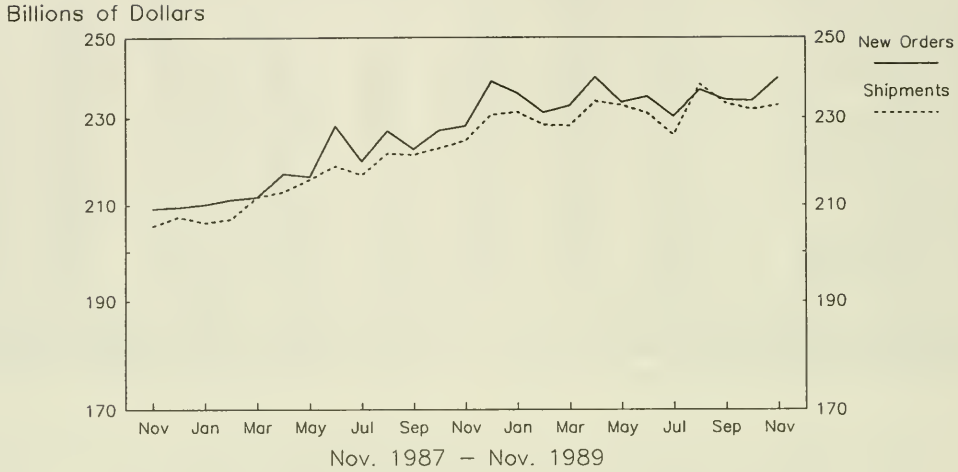
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov. 1988	Nov.[1] 1984-1988	Nov. 1988-Oct. 1989	Nov. 1988	Nov.[1] 1984-1988	Nov. 1988-Oct. 1989	Nov. 1988	Nov.[1] 1984-1988	Nov. 1988-Oct. 1989	Nov. 1988	Nov.[1] 1984-1988	Nov. 1988-Oct. 1989
All manufacturing industries	0.1	0.2	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.1	0.1
Durable goods industries	0.2	0.2	0.2	0.5	0.6	0.4	0.1	0.1	0.1	0.0	0.1	0.0
Stone, clay, and glass products	1.1	0.8	0.6	0.4	1.2	0.7	0.7	1.9	0.5	0.2	0.1	0.2
Primary metals	0.0	0.8	0.3	0.3	1.1	0.8	0.2	0.3	0.3	0.1	0.3	0.2
Fabricated metal products	1.7	1.0	0.4	1.6	1.3	0.8	0.0	0.3	0.2	0.2	0.1	0.1
Machinery, except electrical	0.7	1.3	0.6	1.8	1.1	1.1	0.4	0.2	0.3	0.1	0.2	0.1
Electrical machinery	0.1	0.4	0.3	0.0	1.0	0.4	0.0	0.2	0.1	0.1	0.1	0.1
Transportation equipment	0.2	0.3	0.2	0.5	1.2	1.4	0.0	0.2	0.2	0.0	0.3	0.1
Instruments and related products	0.5	1.1	0.6	3.0	1.8	1.4	1.2	0.4	0.4	0.5	0.4	0.3
Nondurable goods industries	0.0	0.2	0.3	0.1	0.2	0.3	0.2	0.2	0.4	0.3	0.2	0.1
Food and kindred products	0.2	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2	0.2
Tobacco products	0.7	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
Textile mill products	0.5	1.7	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.6	0.3
Paper and allied products	0.5	0.6	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.2	0.4
Chemicals and allied products	0.7	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.2
Petroleum and coal products	0.2	1.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.7	0.5
Rubber and plastics products	0.9	0.8	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.1	0.4	0.4
Capital goods industries:												
Nondefense	0.4	1.1	0.4	0.9	1.3	1.0	0.1	0.1	0.3	0.0	0.2	0.1
Defense	0.0	0.1	0.3	0.0	3.6	3.4	0.0	0.2	0.2	0.0	0.3	0.0

(X) Not applicable. (NA) Not available.

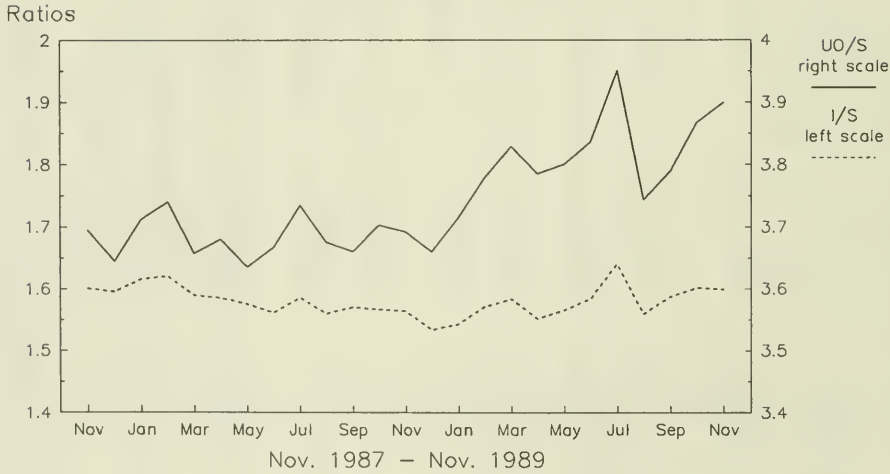
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly avarages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments

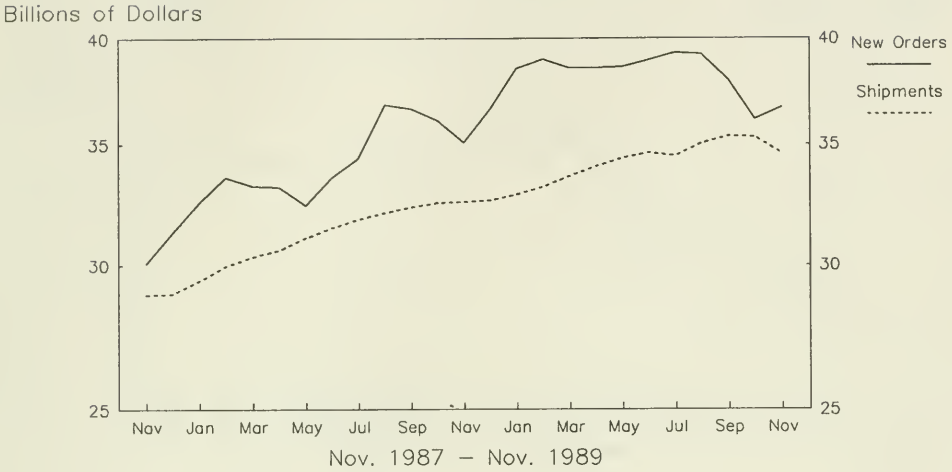


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

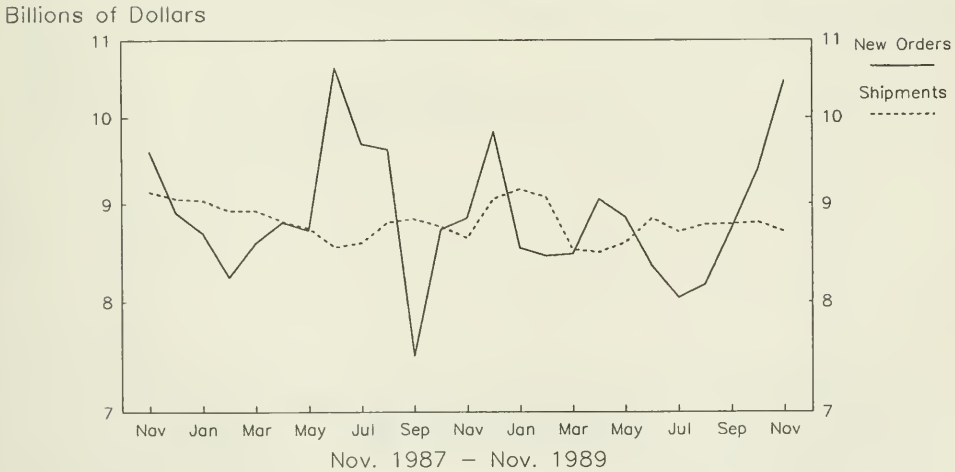


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

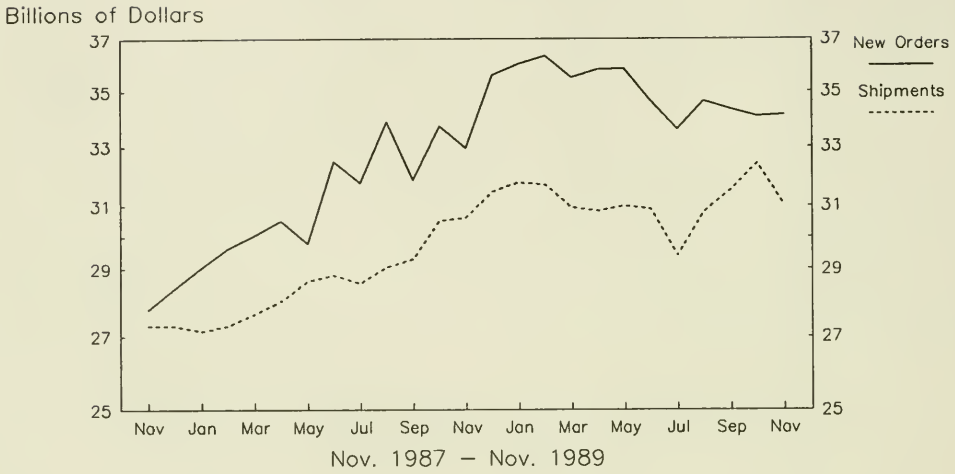


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

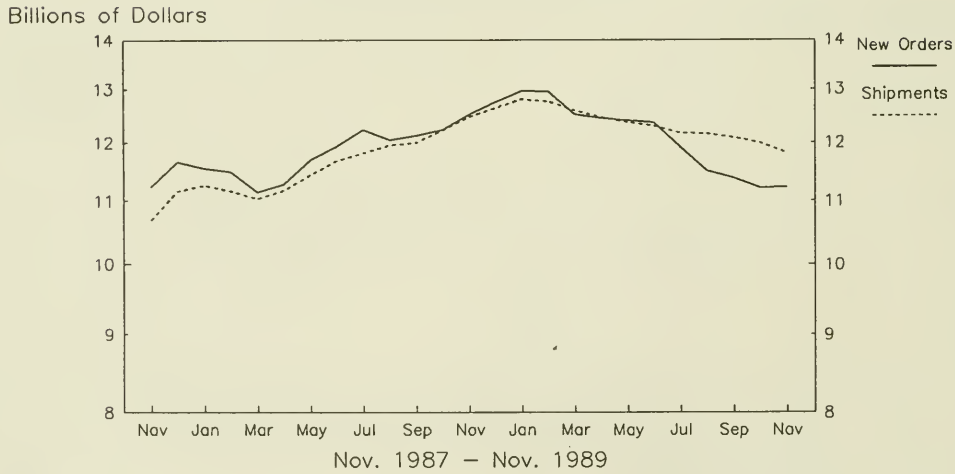


Note: All Charts based on seasonally adjusted current dollars.

Transportation Equipment
New Orders and Shipments
Three Month Moving Averages

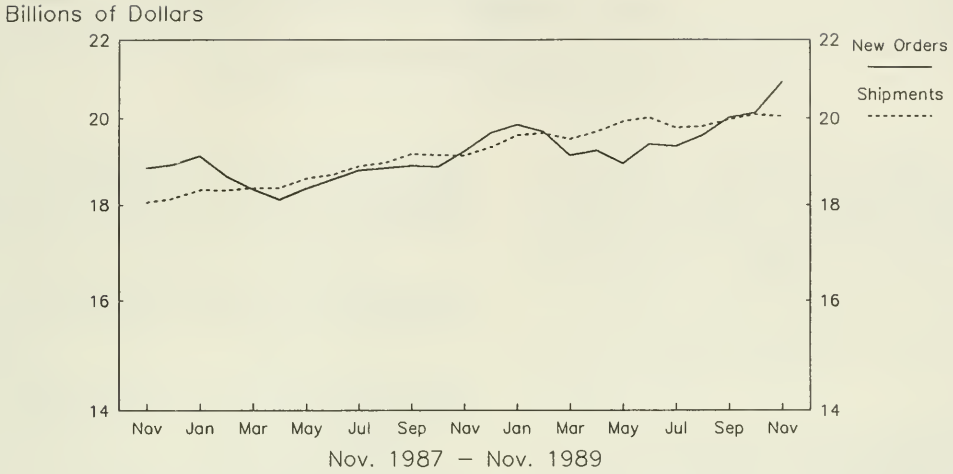


Primary Metals Industries
New Orders and Shipments
Three Month Moving Averages

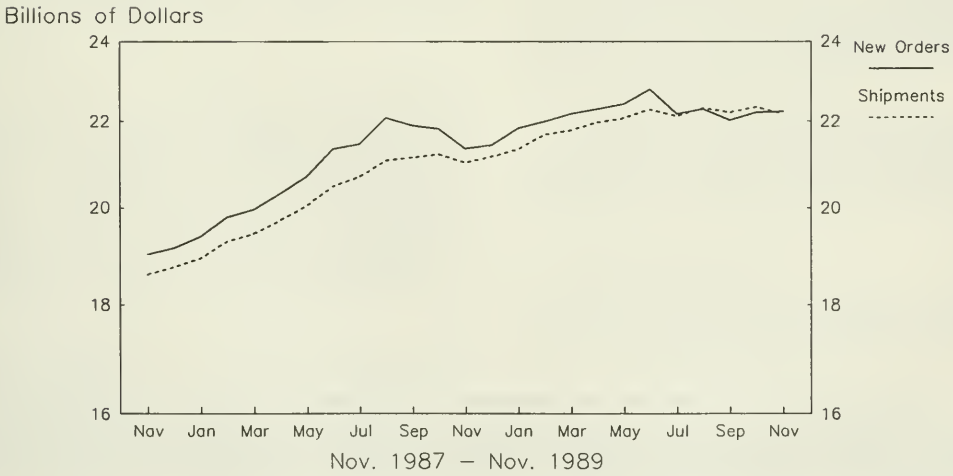


Note: All Charts based on seasonally adjusted current dollars.

Electrical Machinery
New Orders and Shipments
Three Month Moving Averages



Nonelectrical Machinery
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAI

POSTAGE AND FEES
U.S. DEPARTMENT OF COMM

COM

First Class Mail

3.158:M 3-1-(89)-12
rrent Industrial Reports,...
DEPOSITORY
MAR 23 1990
PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

December 1989

M3-1-(89)-12
For Wire Transmissions 10:00 a.m. E.S.T. Friday, February 2, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in December increased $4.5 billion or 1.9 percent to $244.2 billion, following a 2.4 percent increase in November, the Department of Commerce, Bureau of the Census reported today. Most of the December increase was in the durable goods, nearly all for transportation equipment.

Shipments declined in December $1.1 billion or 0.5 percent to $231.8 billion, following a 0.4 percent increase in November. All of the December decrease was in durables.

Unfilled orders were up in December $12.4 billion or 2.5 percent to $517.2 billion. Virtually all the gain was in the durables sector in transportation equipment.

Manufacturers' inventories declined $1.3 billion or 0.4 percent to $371.5 billion, the first decline since September and the largest since the 0.4 percent decrease in September 1986. The inventory to shipments ratio in December was 1.60, the same as for November.

New orders for the year totaled $2828.8 billion, up 6.4 percent from 1988. Shipments totaled $2780.4 billion, up 6.5 percent from 1988. The order backlog at the end of December was $517.2 billion, 10.3 percent above 1988. End-of-year inventories, at $371.5 billion, were 4.9 percent above 1988.

New Orders

New orders for durable goods in December increased $4.2 billion or 3.2 percent o $134.4 billion. Transportation equipment was up $4.1 billion or 11.2 percent to $40.9 billion; large increases in aircraft and parts and shipbuilding and tanks more than offset a decline in motor vehicles and parts. In the machinery industries, electrical machinery increased $1.1 billion or 5.0 percent to $22.7 billion, offsetting a decline in nonelectrical machinery of $1.1 billion or 4.7 percent to $21.6 billion. Primary metals were down $0.4 billion or 3.8 percent to $10.8 billion.

Nondurable orders were up $0.3 billion or 0.3 percent to $109.9 billion; the largest increase was in petroleum products.

Shipments

Shipments of durable goods in December were down $1.1 billion or 0.9 percent to $122.1 billion. Primary metals had the largest decrease, down $0.5 billion or 4.8 percent to $11.0 billion. Transportation equipment was down $0.5 billion or 1.7 percent to $30.6 billion. The largest increase was in electrical machinery, up $0.6 billion or 3.2 percent to $20.6 billion.

Nondurable shipments were flat at $109.7 billion. Increases in petroleum, foods and chemicals offset declines in most of the other categories.

Unfilled Orders

Unfilled orders for durable goods in December increased $12.3 billion or 2.5 percent to $496.7 billion. Transportation equipment increased $10.3 billion or 4.0 percent to $264.9 billion; commercial aircraft and parts and defense shipbuilding were up sharply. Electrical machinery was up $2.1 billion or 2.2 percent to $94.4 billion.

Inventories

Most of the decline in inventories was in durables, down $1.1 billion or 0.5 percent to $246.5 billion. All major industries except transportation equipment declined. Excluding transportation, durable goods inventories were down 1.2 percent. Nondurable inventories were down $0.2 billion or 0.2 percent to $125.0 billion. The largest decline was in chemical products.

By stage of fabrication, materials and supplies were down 0.5 percent in both durables and nondurables; work in process was up 0.1 percent in each. However, finished durable goods declined 1.4 percent, while nondurables were flat.

Scheduled Release Dates

The advance report on durable goods for January is scheduled for February 27, 1990 at 8:30 a.m. and the full report on March 6, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1989p	Nov. 1989r	Oct. 1989	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1989p	Nov. 1989r	Oct. 1989	Dec. 1988	Dec.89/88p	1989p	1988
All manufacturing industries	231,759	232,826	231,995	-0.5	+0.4	-0.7	228,887	231,320	238,230	226,032	+1.3	2,781,576	2,611,589
Manufacturing industries with unfilled orders	129,087	129,241	128,725	-0.1	+0.4	-1.6	131,374	129,188	132,008	128,990	+1.8	1,541,519	1,448,504
Durable goods industries	122,098	123,209	121,840	-0.9	+1.1	-2.1	122,206	122,261	125,350	122,482	-0.2	1,471,549	1,388,211
With unfilled orders	102,416	101,674	101,335	+0.7	+0.3	-2.1	105,227	101,290	103,385	102,475	+2.7	1,215,581	1,137,651
Stone, clay, and glass products	5,336	5,431	5,515	-1.7	-1.5	+3.5	4,653	5,414	5,900	4,815	-3.4	64,755	64,044
Primary metals	10,950	11,499	11,819	-4.8	-2.7	-1.3	10,123	11,271	12,059	11,796	-14.2	145,416	142,196
Blast furnaces, steel mills	4,422	4,765	4,845	-7.2	-1.7	-0.4	4,135	4,586	4,890	4,836	-14.5	59,248	60,950
Iron and steel foundries	752	780	815	-3.6	-4.3	-9.4	634	785	885	781	-18.8	10,156	10,362
Nonferrous and other primary metals	5,776	5,954	6,159	-3.0	-3.3	-0.9	5,354	5,900	6,284	6,179	-13.4	76,012	70,884
Fabricated metal products	14,084	14,114	13,983	-0.2	+0.9	+0.3	12,800	13,693	14,506	11,732	+9.1	162,639	144,064
Machinery, except electrical	21,956	22,355	21,985	-1.8	+1.7	-1.2	23,942	21,345	21,561	23,686	+1.1	265,523	247,152
Engines and turbines	1,404	1,296	1,345	+8.3	-3.6	-5.3	1,885	1,285	1,263	1,812	+4.0	16,768	16,126
Construction, mining and material handling equipment	2,991	2,999	3,106	-0.3	-3.4	+11.7	2,847	3,012	3,063	2,441	+16.6	33,609	29,947
Metalworking machinery	1,036	1,030	1,031	+0.6	-0.1	+2.1	1,129	1,089	1,113	1,181	-4.4	12,348	11,393
Office and computing machines	5,776	5,704	5,580	+1.3	+2.2	-7.9	8,029	5,555	4,946	8,007	+0.3	69,728	67,910
Electrical machinery	20,634	19,994	19,930	+3.2	+0.3	-1.9	21,659	20,365	20,098	20,728	+4.5	239,351	227,136
Electrical transmission and distribution equipment and industrial apparatus	2,425	2,385	2,388	+1.7	-0.1	-2.4	2,408	2,355	2,396	2,393	+0.6	29,772	27,613
Household appliances	1,817	1,650	1,621	+10.1	+1.8	+7.1	1,583	1,525	1,689	1,343	+17.9	19,389	18,064
Radio and TV	1,052	1,029	1,106	+2.2	-7.0	+5.1	1,005	1,200	1,336	960	+4.7	12,481	11,679
Communication equipment	6,978	6,654	6,483	+4.9	+2.6	-4.7	8,470	6,739	6,153	7,969	+6.3	78,060	74,498
Electronic components	4,927	4,911	4,922	+0.3	-0.2	-1.2	4,676	4,853	4,860	4,493	+4.1	57,951	54,704
Other electrical machinery	3,435	3,365	3,410	+2.1	-1.3	-3.0	3,517	3,693	3,664	3,570	-1.5	41,698	40,578
Transportation equipment	30,624	31,142	29,819	-1.7	+4.4	-7.3	31,429	31,955	31,212	31,993	-1.8	372,910	351,927
Motor vehicles and parts	18,661	19,829	18,518	-5.9	+7.1	-3.7	16,242	20,636	20,121	18,020	-9.9	232,849	219,257
Aircraft, missiles, and parts.	9,595	9,200	9,202	+4.3	0.0	-13.4	12,613	9,359	8,960	11,558	+9.1	113,670	107,633
Shipbuilding and military tank vehicles	1,070	972	832	+10.1	+16.8	-13.3	1,452	954	808	1,347	+7.8	11,449	10,579
Instruments and related products	6,736	6,564	6,595	+2.6	-0.5	+0.7	6,964	6,456	6,659	6,523	+6.8	77,110	72,456
Scientific and engineering instruments	4,438	4,429	4,408	+0.2	+0.5	-0.5	4,602	4,232	4,372	4,403	+4.5	51,306	48,906
All other durable goods	11,778	12,110	12,194	-2.7	-0.7	+2.7	10,636	11,762	13,355	11,209	-5.1	143,845	139,236
Nondurable goods industries	109,661	109,617	110,155	0.0	-0.5	+0.9	106,681	109,059	112,880	103,550	+3.0	1,310,027	1,223,378
With unfilled orders	26,671	27,567	27,390	-3.3	+0.6	+0.2	26,147	27,898	28,623	26,515	-1.4	325,938	310,853
Food and kindred products	33,052	32,858	32,882	+0.6	-0.1	+1.9	32,682	32,689	33,791	30,719	+6.4	388,431	356,804
Dairy products	4,564	4,692	4,472	-2.7	+4.9	+1.3	4,432	4,682	4,428	4,126	+7.4	52,339	48,902
Beverages	4,312	4,239	4,130	+1.7	+2.6	-0.8	3,885	3,972	4,076	3,623	+7.2	50,741	47,763
All other foods	15,448	15,413	15,888	+0.2	-3.0	+2.7	15,695	15,635	16,546	14,832	+5.8	183,197	165,035
Tobacco products	2,014	2,134	2,323	-5.6	-8.1	+15.7	2,527	2,363	2,111	2,455	+2.9	24,101	22,240
Textile mill products	4,943	5,395	5,311	-8.4	+1.6	+1.8	4,624	5,428	5,657	5,118	-9.7	63,606	59,774
Broadwoven fabrics	2,861	3,227	3,232	-11.3	-0.2	+4.4	2,815	3,183	3,382	3,206	-12.2	38,339	36,523
Paper and allied products	10,567	11,007	10,976	-4.0	+0.3	+1.1	10,106	10,641	11,046	10,528	-4.0	130,403	124,408
Pulp, paper etc.	4,479	4,759	4,742	-5.9	+0.4	-0.7	4,429	4,625	4,713	4,803	-7.8	57,682	55,209
Paperboard containers	2,701	2,739	2,736	-1.4	+0.1	+7.0	2,463	2,623	2,805	2,465	-0.1	32,269	30,594
All other paper products	3,387	3,509	3,498	-3.5	+0.3	-0.8	3,214	3,393	3,528	3,260	-1.4	40,452	38,605
Chemicals and allied products	21,445	21,266	21,166	+0.8	+0.5	+1.4	20,770	20,202	20,566	20,397	+1.8	255,598	240,476
Industrial chemicals, except pigments	5,170	5,322	5,562	-2.9	-4.3	+2.4	5,020	5,167	5,501	5,910	-15.1	68,905	67,826
Drugs, soaps, and toiletries	7,458	7,103	6,872	+5.0	+3.4	+0.3	7,495	6,821	6,766	6,319	+18.6	82,043	73,132
Other chemical products	5,767	5,672	5,563	+1.7	+2.0	+0.7	5,594	5,532	5,548	5,553	+0.7	68,055	65,005
Petroleum and coal products	12,080	11,492	11,924	+5.1	-3.6	+0.2	12,140	11,545	12,103	10,363	+17.1	138,439	124,218
Rubber and plastics products	7,598	7,512	7,556	+1.1	-0.6	-4.9	7,010	7,322	7,954	7,518	-6.8	95,768	91,089
All other nondurable goods	17,962	17,953	18,017	+0.1	-0.4	-0.5	16,822	18,869	19,652	16,452	+2.2	213,681	204,590
Market categories:													
Home goods and apparel	15,002	14,745	14,918	+1.7	-1.2	+1.8	12,702	15,214	16,576	12,834	-1.0	177,232	170,754
Consumer staples	47,503	46,780	46,808	+1.5	-0.1	+1.6	47,755	47,023	47,701	43,826	+9.0	550,072	501,447
Equipment and defense prod. except automotive	39,453	39,184	38,644	+0.7	+1.4	-4.7	45,296	38,052	37,688	43,621	+3.8	465,007	433,758
Automotive equipment	20,979	22,205	20,933	-5.5	+6.1	-3.0	18,200	22,834	22,768	20,187	-9.8	261,236	248,092
Construction materials, supplies and intermediate products	17,199	17,700	17,767	-2.8	-0.4	+1.7	15,247	17,066	18,966	15,992	-4.7	210,051	204,748
Other materials, supplies, and intermediate products	91,623	92,212	92,925	-0.6	-0.8	-0.4	89,687	91,131	94,531	89,572	+0.1	1,117,978	1,052,790
Supplementary series:[2]													
Capital goods industries	44,107	42,875	42,424	+2.9	+1.1	-5.6	51,425	42,655	41,711	48,979	+5.0	520,016	487,056
Nondefense	34,377	34,122	34,171	+0.7	-0.1	-4.4	38,978	33,579	33,548	36,858	+5.8	413,797	380,418
Excluding aircraft and parts	30,262	29,816	29,475	+1.5	+1.2	-1.9	33,393	29,339	29,103	32,067	+4.1	358,587	331,611
Defense	9,730	8,753	8,253	+11.2	+6.1	-10.6	12,447	9,076	8,163	12,121	+2.7	106,219	106,638
Household durable goods industries	7,291	6,997	7,025	+4.2	-0.4	+4.0	6,547	7,167	7,747	6,162	+6.2	83,076	79,081

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1989[p]	Nov. 1989[r]	Oct. 1989	Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Dec. 1989[p]	Nov. 1989[r]	Oct. 1989	Dec. 1988	Dec.89/88[p]	1989[p]	1988
All manufacturing industries	244,203	239,710	234,067	+1.9	+2.4	-0.1	241,696	238,524	237,369	235,710	+2.5	2,829,934	2,659,525
Manufacturing industries with unfilled orders	141,531	136,125	130,797	+4.0	+4.1	-0.6	144,183	136,392	131,147	138,668	+4.0	1,589,877	1,496,440
Durable goods industries	134,351	130,175	124,262	+3.2	+4.8	-0.8	135,122	130,044	125,267	132,230	+2.2	1,520,403	1,435,605
With unfilled orders	114,669	108,640	103,757	+5.5	+4.7	-0.5	118,143	109,073	103,302	112,223	+5.3	1,264,435	1,185,045
Stone, clay, and glass products	5,418	5,451	5,572	-0.6	-2.2	+3.6	4,617	5,461	5,802	4,608	+0.2	64,288	64,579
Primary metals	10,816	11,249	11,022	-3.8	+2.1	-3.3	11,052	10,977	10,826	13,129	-15.8	142,294	144,162
Blast furnaces, steel mills	4,457	4,640	4,768	-3.9	-2.7	+5.0	4,777	4,473	4,555	5,553	-14.0	57,030	60,250
Iron and steel foundries	768	781	789	-1.7	-1.0	-6.7	617	772	872	771	-20.0	10,248	10,611
Nonferrous and other primary metals	5,591	5,828	5,465	-4.1	+6.6	-9.1	5,658	5,732	5,399	6,805	-16.9	75,016	73,301
Fabricated metal products	14,089	13,800	13,875	+2.1	-0.5	+1.4	12,984	13,294	14,273	11,908	+9.0	159,875	142,607
Machinery, except electrical	21,604	22,676	21,476	-4.7	+5.6	-4.8	23,162	21,986	20,667	23,356	-0.8	267,116	254,440
Engines and turbines	1,365	1,530	1,295	-10.8	+18.1	-16.1	1,758	1,594	1,354	959	+83.3	18,853	15,406
Construction, mining and material handling equipment	2,711	3,030	3,021	-10.5	+0.3	+10.6	2,889	3,107	2,937	2,889	0.0	34,392	31,417
Metalworking machinery	1,070	1,122	1,097	-4.6	+2.3	-1.9	895	1,104	1,044	1,087	-17.7	12,259	13,239
Office and computing machines	5,580	5,855	5,775	-4.7	+1.4	-9.2	7,363	5,825	5,024	7,557	-2.6	68,868	67,464
Electrical machinery	22,689	21,609	20,131	+5.0	+7.3	-3.7	23,246	21,827	20,258	20,447	+13.7	240,494	227,382
Electrical transmission and distribution equipment and industrial apparatus	2,357	2,405	2,335	-2.0	+3.0	-3.4	2,316	2,356	2,321	2,327	-0.5	29,748	28,075
Communication equipment	8,924	7,955	6,339	+12.2	+25.5	-12.8	10,096	8,244	6,258	7,950	+27.0	79,516	73,672
Electronic components	5,068	5,012	5,127	+1.1	-2.2	-0.9	4,831	4,777	4,874	4,437	+8.9	57,473	54,766
Other electrical machinery	3,499	3,494	3,550	+0.1	-1.6	+0.3	3,526	3,697	3,829	3,485	+1.2	41,989	41,128
Transportation equipment	40,885	36,779	33,185	+11.2	+10.8	+1.9	42,557	38,990	33,696	40,874	+4.1	425,298	389,685
Aircraft, missiles, and parts.	18,422	14,901	12,135	+23.6	+22.8	+4.9	22,433	16,422	11,147	18,313	+22.5	165,658	137,359
Shipbuilding and military tank vehicles	2,576	796	1,464	223.6	-45.6	102.2	2,682	735	1,389	3,352	-20.0	12,585	18,037
Instruments and related products	6,892	6,505	6,724	+5.9	-3.3	+1.2	7,177	6,280	6,700	7,057	+1.7	76,862	73,658
Scientific and engineering instruments	4,578	4,345	4,516	+5.4	-3.8	+0.5	4,811	4,094	4,490	4,793	+0.4	51,171	49,993
All other durable goods	11,958	12,106	12,277	-1.2	-1.4	+1.4	10,327	11,229	13,045	10,851	-4.8	144,176	139,092
Nondurable goods industries	109,852	109,535	109,805	+0.3	-0.2	+0.6	106,574	108,480	112,102	103,480	+3.0	1,309,531	1,223,920
With unfilled orders	26,862	27,485	27,040	-2.3	+1.6	-0.9	26,040	27,319	27,845	26,445	-1.5	325,442	311,395
Market categories:													
Home goods and apparel	15,445	14,816	15,148	+4.2	-2.2	+2.2	12,422	14,533	16,171	12,358	+0.5	177,623	170,251
Consumer staples	47,448	46,793	46,809	+1.4	0.0	+1.7	47,734	47,071	47,645	43,848	+8.9	550,107	501,623
Equipment and defense prod. except automotive	51,040	44,506	40,634	+14.7	+9.5	-2.6	57,805	45,225	38,451	53,447	+8.2	509,043	468,263
Automotive equipment	20,965	22,230	20,788	-5.7	+6.9	-3.0	18,336	22,938	22,538	20,424	-10.2	260,071	247,752
Construction materials, supplies and intermediate products	17,553	17,575	17,685	-0.1	-0.6	+0.8	15,662	16,925	18,672	15,949	-1.8	208,680	205,294
Other materials, supplies, and intermediate products	91,752	93,790	93,003	-2.2	+0.8	+0.2	89,737	91,832	93,892	89,684	+0.1	1,124,410	1,066,342
Supplementary series:													
Capital goods industries	55,849	50,168	45,546	+11.3	+10.1	-0.9	63,026	51,704	43,911	57,127	+10.3	575,660	530,317
Nondefense	45,894	38,901	35,975	+18.0	+8.1	+1.8	49,733	38,389	34,937	43,051	+15.5	467,346	420,331
Excluding aircraft and parts	31,029	30,454	29,084	+1.9	+4.7	-4.1	33,398	30,008	28,297	31,215	+7.0	363,269	340,639
Defense	9,955	11,267	9,571	-11.6	+17.7	-10.0	13,293	13,315	8,974	14,076	-5.6	108,314	109,986
Household durable goods industries	7,429	6,994	7,139	+6.2	-2.0	+3.6	6,235	6,655	7,340	5,909	+5.5	83,111	78,863

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1989p	Nov. 1989r	Oct. 1989	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1989p	Nov. 1989r	Oct. 1989	Dec. 1988	Dec.89/88p
All manufacturing industries	517,194	504,750	497,866	+2.5	+1.4	+0.4	512,292	499,483	492,279	463,934	+10.4
Durable goods industries	496,728	484,475	477,509	+2.5	+1.5	+0.5	492,811	479,895	472,112	443,957	+11.0
Stone, clay, and glass products	5,366	5,284	5,264	+1.6	+0.4	+1.1	5,145	5,181	5,134	5,612	-8.3
Primary metals	22,391	22,525	22,775	-0.6	-1.1	-3.4	22,022	21,093	21,387	25,144	-12.4
Blast furnaces, steel mills	8,628	8,593	8,718	+0.4	-1.4	-0.9	8,507	7,865	7,978	10,725	-20.7
Iron and steel foundries	2,337	2,321	2,320	+0.7	0.0	-1.1	2,272	2,289	2,302	2,180	+4.2
Nonferrous and other primary metals	11,426	11,611	11,737	-1.6	-1.1	-5.6	11,243	10,939	11,107	12,239	-8.1
Fabricated metal products	25,543	25,538	25,852	0.0	-1.2	-0.4	25,428	25,244	25,643	28,192	-9.8
Machinery, except electrical	61,548	61,900	61,579	-0.6	+0.5	-0.8	60,872	61,652	61,011	59,279	+2.7
Engines and turbines	6,488	6,527	6,293	-0.6	+3.7	-0.8	6,687	6,814	6,505	4,602	+45.3
Construction, mining and material handling equipment	9,168	9,448	9,417	-3.0	+0.3	-0.9	9,306	9,264	9,169	8,523	+9.2
Metalworking machinery	4,749	4,715	4,623	+0.7	+2.0	+1.4	4,493	4,727	4,712	4,582	-1.9
Office and computing machines	12,627	12,823	12,672	-1.5	+1.2	+1.6	12,210	12,876	12,606	13,070	-6.6
Electrical machinery	94,442	92,387	90,772	+2.2	+1.8	+0.2	93,533	91,946	90,484	92,390	+1.2
Electrical transmission and distribution equipment and industrial apparatus	6,891	6,959	6,939	-1.0	+0.3	-0.8	6,824	6,916	6,915	6,848	-.4
Communication equipment	67,211	65,265	63,964	+3.0	+2.0	-0.2	66,992	65,366	63,861	65,536	+2.2
Electronic components	14,373	14,232	14,131	+1.0	+0.7	+1.5	13,927	13,772	13,848	14,405	-3.3
Other electrical machinery	5,020	4,956	4,827	+1.3	+2.7	+3.0	4,955	4,946	4,942	4,664	+6.2
Transportation equipment	264,918	254,657	249,020	+4.0	+2.3	+1.4	264,855	253,727	246,692	212,467	+24.7
Aircraft, missiles, and parts.	227,026	218,199	212,498	+4.0	+2.7	+1.4	227,120	217,300	210,237	175,132	+29.7
Shipbuilding and military tank vehicles	27,545	26,039	26,215	+5.8	-0.7	+2.5	27,373	26,143	26,362	26,237	+4.3
Instruments and related products	14,538	14,382	14,441	+1.1	-0.4	+0.9	14,452	14,239	14,415	14,700	-1.7
Scientific and engineering instruments	13,499	13,359	13,443	+1.0	-0.6	+0.8	13,512	13,303	13,441	13,647	-1.0
All other durable goods	7,982	7,802	7,806	+2.3	-0.1	+1.1	6,504	6,813	7,346	6,173	+5.4
Nondurable goods industries	20,466	20,275	20,357	+0.9	-0.4	-1.7	19,481	19,588	20,167	19,977	-2.5
Market categories:											
Home goods and apparel	9,007	8,564	8,493	+5.2	+0.8	+2.8	6,966	7,246	7,927	6,575	+5.9
Consumer staples	872	927	914	-5.9	+1.4	+0.1	879	900	852	844	+4.1
Equipment and defense prod. except automotive	330,662	319,075	313,753	+3.6	+1.7	+0.6	330,733	318,224	311,051	286,697	+15.4
Automotive equipment	7,683	7,697	7,672	-0.2	+0.3	-1.9	7,698	7,562	7,458	8,863	-13.1
Construction materials, supplies and intermediate products	14,019	13,665	13,790	+2.6	-0.9	-0.6	13,770	13,355	13,496	15,141	-9.1
Other materials, supplies, and intermediate products	154,951	154,822	153,244	+0.1	+1.0	+0.1	152,246	152,196	151,495	145,814	+4.4
Supplementary series:											
Capital goods industries	400,944	389,202	381,909	+3.0	+1.9	+0.8	399,887	388,286	379,237	344,243	+16.2
Nondefense	233,271	221,754	216,975	+5.2	+2.2	+0.8	232,322	221,567	216,757	178,773	+30.0
Excluding aircraft and parts	92,371	91,604	90,966	+0.8	+0.7	-0.4	91,422	91,417	90,748	86,740	+5.4
Defense	167,673	167,448	164,934	+0.1	+1.5	+0.8	167,565	166,719	162,480	165,470	+1.3
Household durable goods industries	6,292	6,154	6,157	+2.2	0.0	+1.9	4,764	5,076	5,588	4,729	+.7

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1989p	Nov. 1989r	Oct. 1989	Nov.-Dec.p	Oct.-Nov.r	Sept.-Oct.	Dec. 1989p	Nov. 1989r	Oct. 1989	Dec. 1988	Dec.89/88p
All manufacturing industries	371,468	372,813	371,712	-0.4	+0.3	+0.2	365,520	371,439	370,808	348,465	+4.9
Manufacturing industries with unfilled orders	259,481	259,926	258,612	-0.2	+0.5	+0.3	253,827	258,379	258,027	240,644	+5.5
Durable goods industries	246,470	247,610	246,427	-0.5	+0.5	+0.3	241,750	246,486	245,807	229,040	+5.5
With unfilled orders	227,985	228,553	227,183	-0.2	+0.6	+0.3	223,279	227,614	227,130	210,998	+5.8
Stone, clay, and glass products	7,809	7,832	7,870	-0.3	-0.5	+0.3	7,655	7,597	7,599	7,368	+3.9
Primary metals	20,551	20,742	20,822	-0.9	-0.4	-1.0	20,485	20,719	20,689	20,198	+1.4
Blast furnaces, steel mills	10,467	10,570	10,533	-1.0	+0.4	-0.8	10,540	10,715	10,604	10,156	+3.8
Iron and steel foundries	1,363	1,365	1,375	-0.1	-0.7	-0.4	1,337	1,307	1,314	1,300	+2.8
Nonferrous and other primary metals	8,721	8,807	8,914	-1.0	-1.2	-1.5	8,608	8,697	8,771	8,742	-1.5
Fabricated metal products	23,351	23,732	23,761	-1.6	-0.1	-0.7	22,976	23,501	23,543	23,148	-.7
Machinery, except electrical	48,214	48,681	48,411	-1.0	+0.6	0.0	47,342	48,569	48,269	45,803	+3.4
Engines and turbines	2,935	3,124	3,135	-6.0	-0.4	0.0	2,734	3,235	3,232	2,808	-2.6
Construction, mining and material handling equipment	7,467	7,521	7,563	-0.7	-0.6	-1.1	7,445	7,484	7,533	7,610	-2.2
Metalworking machinery	3,185	3,167	3,182	+0.6	-0.5	+0.1	3,083	3,170	3,225	2,953	+4.4
Office and computing machines	12,860	13,084	12,628	-1.7	+3.6	+0.7	12,616	13,096	12,667	11,812	+6.8
Electrical machinery	40,842	41,191	41,318	-0.8	-0.3	0.0	39,962	40,736	41,190	39,706	+.6
Electrical transmission and distribution equipment and industrial apparatus	5,147	5,133	5,130	+0.3	+0.1	+0.5	5,057	5,053	5,089	5,084	-.5
Household appliances	2,925	3,076	3,140	-4.9	-2.0	-0.3	2,796	2,894	2,962	2,746	+1.8
Radio and TV	1,922	1,791	1,770	+7.3	+1.2	-2.6	1,812	1,706	1,746	1,413	+28.2
Communication equipment	15,859	16,089	16,173	-1.4	-0.5	-0.1	15,548	16,164	16,315	15,629	-.5
Electronic components	8,696	8,782	8,755	-1.0	+0.3	-0.5	8,626	8,715	8,754	8,674	-.6
Other electrical machinery	6,293	6,320	6,350	-0.4	-0.5	+1.5	6,123	6,204	6,324	6,160	-.6
Transportation equipment	72,736	71,725	70,666	+1.4	+1.5	+1.3	70,950	72,248	71,450	61,686	+15.0
Motor vehicles and parts	11,833	12,310	12,433	-3.9	-1.0	+0.8	11,804	12,513	12,440	11,831	-.2
Aircraft, missiles, and parts.	56,405	54,862	53,818	+2.8	+1.9	+1.8	54,730	55,112	54,529	45,914	+19.2
Shipbuilding and military tank vehicles	2,382	2,374	2,239	+0.3	+6.0	-4.5	2,260	2,428	2,341	1,866	+21.1
Instruments and related products	14,058	14,452	14,350	-2.7	+0.7	+0.5	13,714	14,376	14,311	13,691	+.2
Scientific and engineering instruments	10,312	10,433	10,424	-1.2	+0.1	+0.5	10,168	10,467	10,400	10,148	+.2
All other durable goods	18,909	19,255	19,229	-1.8	+0.1	+1.2	18,666	18,740	18,756	17,440	+7.0
Nondurable goods industries	124,998	125,203	125,285	-0.2	-0.1	0.0	123,770	124,953	125,001	119,425	+3.6
With unfilled orders	31,496	31,373	31,429	+0.4	-0.2	+0.3	30,548	30,765	30,897	29,646	+3.0
Food and kindred products	26,436	26,283	26,243	+0.6	+0.2	-0.8	27,002	27,476	27,439	26,875	+.5
Dairy products	2,485	2,437	2,423	+2.0	+0.6	-0.7	2,430	2,403	2,425	2,363	+2.8
Beverages	4,218	4,271	4,330	-1.2	-1.4	+0.7	4,226	4,264	4,307	4,503	-6.2
All other foods	15,578	15,553	15,455	+0.2	+0.6	-0.4	16,123	16,557	16,680	15,316	+5.3
Tobacco products	5,473	5,551	5,583	-1.4	-0.6	-0.1	5,725	5,602	5,659	5,888	-2.8
Textile mill products	8,197	8,071	8,140	+1.6	-0.8	+0.7	7,889	7,818	7,931	7,328	+7.7
Broadwoven fabrics	4,659	4,600	4,623	+1.3	-0.5	+0.9	4,519	4,508	4,484	4,279	+5.6
Paper and allied products	12,560	12,554	12,605	0.0	-0.4	+0.1	12,474	12,393	12,319	11,949	+4.4
Pulp, paper etc.	4,989	4,999	5,009	-0.2	-0.2	+1.7	4,979	4,897	4,873	4,321	+15.2
Paperboard containers	3,247	3,218	3,253	+0.9	-1.1	-0.9	3,179	3,149	3,189	3,193	-.4
All other paper products	4,324	4,337	4,343	-0.3	-0.1	-1.1	4,316	4,347	4,257	4,435	-2.7
Chemicals and allied products	28,897	29,273	29,386	-1.3	-0.4	-0.1	28,698	29,044	28,981	27,349	+4.9
Industrial chemicals, except pigments	8,100	8,210	8,279	-1.3	-0.8	+0.4	7,987	8,094	8,153	7,235	+10.4
Drugs, soaps, and toiletries	9,749	9,775	9,807	-0.3	-0.3	+0.3	9,574	9,796	9,745	9,347	+2.4
Other chemical products	7,106	7,383	7,426	-3.8	-0.6	-0.5	7,099	7,207	7,232	6,891	+3.0
Petroleum and coal products	10,424	10,286	10,370	+1.3	-0.8	+0.3	10,192	10,574	10,493	8,809	+15.7
Rubber and plastics products	10,517	10,592	10,640	-0.7	-0.5	+0.1	10,346	10,321	10,327	10,130	+2.1
All other nondurable goods	22,494	22,593	22,318	-0.4	+1.2	+0.6	21,444	21,725	21,852	21,097	+1.6
Market categories:											
Home goods and apparel	27,778	27,937	27,729	-0.6	+0.8	+0.7	26,697	26,634	26,878	25,258	+5.7
Consumer staples	45,703	45,711	45,731	0.0	0.0	-0.1	46,011	46,598	46,794	45,150	+1.9
Equipment and defense prod. except automotive	114,176	113,574	112,353	+0.5	+1.1	+0.4	111,825	113,633	112,821	102,976	+8.6
Automotive equipment	14,802	15,266	15,447	-3.0	-1.2	+0.1	14,774	15,434	15,318	14,646	+.9
Construction materials, supplies and intermediate products	25,691	25,987	26,059	-1.1	-0.3	+0.1	25,363	25,394	25,378	24,882	+1.9
Other materials, supplies, and intermediate products	143,318	144,338	144,393	-0.7	0.0	+0.1	140,850	143,746	143,619	135,553	+3.9
Supplementary series:[2]											
Capital goods industries	131,905	131,239	129,794	+0.5	+1.1	+0.7	128,562	131,317	130,618	117,799	+9.1
Nondefense	93,977	93,098	92,075	+0.9	+1.1	+0.3	91,852	93,151	92,414	83,616	+9.8
Excluding aircraft and parts	66,264	66,893	66,524	-0.9	+0.6	+0.3	64,755	66,702	66,450	62,713	+3.3
Defense	37,928	38,141	37,719	-0.6	+1.1	+1.9	36,710	38,166	38,204	34,183	+7.4
Household durable goods industries	13,613	13,717	13,688	-0.8	+0.2	0.0	13,095	13,155	13,341	12,315	+6.3

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1989[p]	Nov. 1989[r]	Oct. 1989	Nov.-Dec.[p]	Oct.-Nov.[r]	Sept.-Oct.	Dec. 1989[p]	Nov. 1989[r]	Oct. 1989	Dec. 1988	Dec.89/88[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	114,556	115,127	114,779	-0.5	+0.3	+0.5	114,994	114,385	114,173	113,062	+1.7
Durable goods industries	67,699	68,058	68,010	-0.5	+0.1	+0.6	67,678	67,797	67,927	65,331	+3.6
Stone, clay, and glass products	2,643	2,647	2,544	-0.2	+4.0	-0.5	2,622	2,605	2,509	2,445	+7.2
Primary metals	6,361	6,456	6,531	-1.5	-1.1	-1.8	6,645	6,629	6,614	6,564	+1.2
Fabricated metal products	8,656	8,759	8,883	-1.2	-1.4	+0.4	8,638	8,654	8,735	8,500	+1.6
Machinery, except electrical	12,736	13,057	13,180	-2.5	-0.9	+1.1	12,669	12,995	13,231	12,619	+.4
Electrical machinery	11,239	11,371	11,367	-1.2	0.0	+0.3	11,109	11,148	11,241	11,012	+.9
Transportation equipment	13,925	13,490	13,281	+3.2	+1.6	+1.7	13,842	13,473	13,312	12,622	+9.7
Instruments and related products	4,495	4,563	4,577	-1.5	-0.3	-0.1	4,411	4,557	4,561	4,651	-5.2
Lumber, furniture and miscellaneous durable goods	7,644	7,715	7,647	-0.9	+0.9	+1.2	7,742	7,736	7,724	6,918	+11.9
Nondurable goods industries	46,857	47,069	46,769	-0.5	+0.6	+0.3	47,316	46,588	46,246	47,731	-.9
Food and kindred products	8,691	8,683	8,567	+0.1	+1.4	-0.2	8,993	8,977	8,685	9,432	-4.7
Tobacco products	4,289	4,302	4,315	-0.3	-0.3	+1.9	4,667	4,234	4,162	4,757	-1.9
Textile mill products	2,430	2,411	2,447	+0.8	-1.5	+1.7	2,392	2,290	2,336	2,286	+4.6
Paper and allied products	6,793	6,807	6,774	-0.2	+0.5	+0.3	6,813	6,737	6,684	6,606	+3.1
Chemicals and allied products	10,196	10,311	10,208	-1.1	+1.0	+0.4	10,094	10,154	10,107	9,823	+2.8
Petroleum and coal products	2,669	2,522	2,391	+5.8	+5.5	-0.7	2,673	2,527	2,371	2,152	+24.2
Rubber and plastics products	3,918	3,995	4,009	-1.9	-0.3	-1.0	3,996	3,929	3,950	4,212	-5.1
Apparel, printing and publishing and leather goods	7,871	8,038	8,058	-2.1	-0.2	+0.2	7,688	7,740	7,951	8,463	-9.2
WORK IN PROCESS											
All manufacturing industries	138,296	138,197	137,161	+0.1	+0.8	+0.5	134,591	138,464	138,122	124,154	+8.4
Durable goods industries	117,128	117,051	115,756	+0.1	+1.1	+0.2	114,058	117,198	116,594	105,399	+8.2
Stone, clay, and glass products	1,048	1,079	1,072	-2.9	+0.7	-0.4	996	1,026	1,036	1,072	-7.1
Primary metals	8,486	8,558	8,603	-0.8	-0.5	-0.2	8,331	8,444	8,531	8,142	+2.3
Fabricated metal products	7,999	8,246	8,064	-3.0	+2.3	-0.8	7,790	8,247	8,156	8,176	-4.7
Machinery, except electrical	20,419	20,221	19,797	+1.0	+2.1	-0.8	19,799	20,306	19,854	17,778	+11.4
Electrical machinery	19,192	19,455	19,616	-1.4	-0.8	-0.8	18,719	19,499	19,811	19,199	-2.5
Transportation equipment	50,856	50,037	49,259	+1.6	+1.6	+1.3	49,486	50,374	49,968	42,156	+17.4
Instruments and related products	5,475	5,694	5,592	-3.8	+1.8	+1.9	5,307	5,642	5,584	5,255	+1.0
Lumber, furniture and miscellaneous durable goods	3,653	3,761	3,753	-2.9	+0.2	-1.4	3,630	3,660	3,654	3,621	+.2
Nondurable goods industries	21,168	21,146	21,405	+0.1	-1.2	+2.0	20,533	21,266	21,528	18,755	+9.5
Food and kindred products	2,781	2,763	2,834	+0.7	-2.5	+5.7	2,766	2,834	2,921	2,684	+3.1
Tobacco products	223	250	237	-10.8	+5.5	-12.2	250	342	360	232	+7.8
Textile mill products	2,523	2,505	2,513	+0.7	-0.3	+0.2	2,434	2,474	2,492	2,270	+7.2
Paper and allied products	1,355	1,336	1,389	+1.4	-3.8	+3.8	1,329	1,330	1,385	1,294	+2.7
Chemicals and allied products	4,899	4,840	4,838	+1.2	0.0	+1.7	4,678	4,814	4,834	4,179	+11.9
Petroleum and coal products	2,991	2,872	2,910	+4.1	-1.3	+1.3	2,953	2,988	2,970	2,381	+24.0
Rubber and plastics products	1,379	1,460	1,484	-5.5	-1.6	+3.6	1,383	1,459	1,465	1,415	-2.3
Apparel, printing and publishing and leather goods	5,017	5,120	5,200	-2.0	-1.5	+1.4	4,740	5,025	5,101	4,300	+10.2
FINISHED GOODS											
All manufacturing industries	118,616	119,489	119,772	-0.7	-0.2	-0.3	115,935	118,590	118,513	111,249	+4.2
Durable goods industries	61,643	62,501	62,661	-1.4	-0.3	+0.2	60,014	61,491	61,286	58,310	+2.9
Stone, clay, and glass products	4,118	4,106	4,254	+0.3	-3.5	+1.0	4,037	3,966	4,054	3,851	+4.8
Primary metals	5,704	5,728	5,688	-0.4	+0.7	-1.4	5,509	5,646	5,544	5,492	+.3
Fabricated metal products	6,696	6,727	6,814	-0.5	-1.3	-2.0	6,548	6,600	6,652	6,472	+1.2
Machinery, except electrical	15,059	15,403	15,434	-2.2	-0.2	-0.1	14,874	15,268	15,184	15,406	-3.5
Electrical machinery	10,411	10,365	10,335	+0.4	+0.3	+1.1	10,134	10,089	10,138	9,495	+6.7
Transportation equipment	7,955	8,198	8,126	-3.0	+0.9	+0.3	7,622	8,401	8,170	6,908	+10.3
Instruments and related products	4,088	4,195	4,181	-2.6	+0.3	-0.7	3,996	4,177	4,166	3,785	+5.6
Lumber, furniture and miscellaneous durable goods	7,612	7,779	7,829	-2.1	-0.6	+2.6	7,294	7,344	7,378	6,901	+5.7
Nondurable goods industries	56,973	56,988	57,111	0.0	-0.2	-0.9	55,921	57,099	57,227	52,939	+5.6
Food and kindred products	14,964	14,837	14,842	+0.9	0.0	-2.2	15,243	15,665	15,833	14,759	+3.3
Tobacco products	961	999	1,031	-3.8	-3.1	-4.9	808	1,026	1,137	899	-10.1
Textile mill products	3,244	3,155	3,180	+2.8	-0.8	+0.2	3,063	3,054	3,103	2,772	+10.5
Paper and allied products	4,412	4,411	4,442	0.0	-0.7	-1.4	4,332	4,326	4,250	4,049	+7.0
Chemicals and allied products	13,802	14,122	14,340	-2.3	-1.5	-1.0	13,926	14,076	14,040	13,347	+4.3
Petroleum and coal products	4,764	4,892	5,069	-2.6	-3.5	+0.3	4,566	5,059	5,152	4,276	+6.8
Rubber and plastics products	5,220	5,137	5,147	+1.6	-0.2	0.0	4,967	4,933	4,912	4,503	+10.3
Apparel, printing and publishing and leather goods	9,606	9,435	9,060	+1.8	+4.1	+0.6	9,016	8,960	8,800	8,334	+8.2

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1989[p]	Nov. 1989[r]	Oct. 1989	Sept. 1989	Dec. 1989[p]	Nov. 1989[r]	Oct. 1989	Sept. 1989
All manufacturing industries	1.60	1.60	1.60	1.59	4.01	3.91	3.87	3.79
Durable goods industries	2.02	2.01	2.02	1.97	4.85	4.76	4.71	4.59
Stone, clay, and glass products	1.46	1.44	1.43	1.47	1.09	1.06	1.04	1.06
Primary metals	1.88	1.80	1.76	1.76	2.04	1.96	1.93	1.97
Fabricated metal products	1.66	1.68	1.70	1.72	2.02	2.01	2.05	2.04
Machinery, except electrical	2.20	2.18	2.20	2.18	2.98	2.98	3.00	2.97
Electrical machinery	1.98	2.06	2.07	2.03	4.58	4.62	4.55	4.46
Transportation equipment	2.38	2.30	2.37	2.17	13.46	13.43	13.47	12.22
Instruments and related products	2.09	2.20	2.18	2.18	2.16	2.19	2.19	2.19
Nondurable goods industries	1.14	1.14	1.14	1.15	0.77	0.74	0.74	0.76
Food and kindred products	0.80	0.80	0.80	0.82	(X)	(X)	(X)	(X)
Tobacco products	2.72	2.60	2.40	2.78	(X)	(X)	(X)	(X)
Textile mill products	1.66	1.50	1.53	1.55	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.19	1.14	1.15	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.38	1.39	1.41	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.90	0.87	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.38	1.41	1.41	1.34	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable (NA) Not available.

[1]Excludes the following industries with no unfilled orders Wood and lumber products, glass containers, metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products, tobacco; apparel and related products, building paper; die-cut paper and board, chemicals, petroleum and coal products; and rubber and plastics products

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

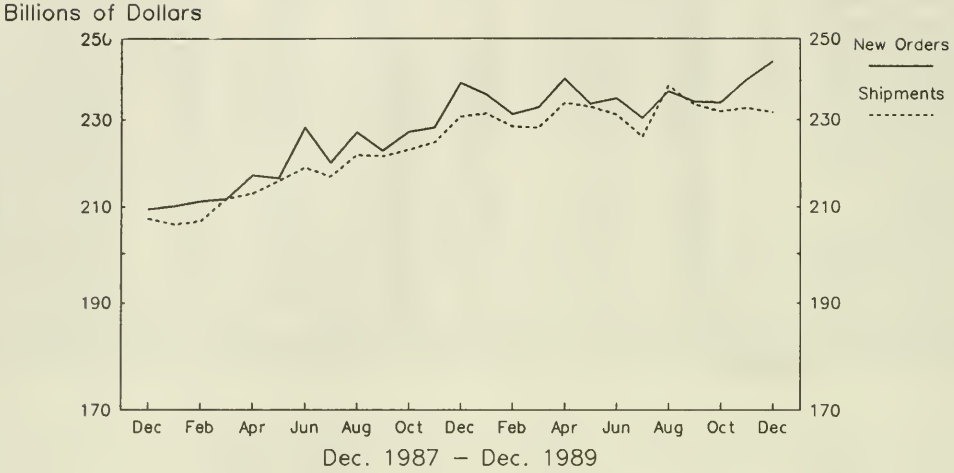
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec. 1988	Dec.[1] 1984-1988	Dec. 1988-Nov. 1989	Dec. 1988	Dec.[1] 1984-1988	Dec. 1988-Nov. 1989	Dec. 1988	Dec.[1] 1984-1988	Dec. 1988-Nov. 1989	Dec. 1988	Dec.[1] 1984-1988	Dec. 1988-Nov. 1989
All manufacturing industries	0.3	0.5	0.3	0.5	0.5	0.3	0.1	0.1	0.1	0.0	0.2	0.1
Durable goods industries	0.3	0.8	0.2	0.9	0.7	0.4	0.2	0.2	0.1	0.0	0.1	0.1
Stone, clay, and glass products	0.4	1.3	0.5	0.9	1.7	0.7	0.6	1.2	0.5	0.1	0.2	0.2
Primary metals	0.3	0.8	0.4	0.5	1.6	0.9	0.1	0.5	0.3	0.7	0.7	0.2
Fabricated metal products	0.1	0.7	0.3	0.2	0.4	0.6	0.1	0.3	0.2	0.1	0.7	0.1
Machinery, except electrical	1.4	1.6	0.6	2.5	1.6	1.0	0.5	0.3	0.3	0.1	0.3	0.2
Electrical machinery	0.4	2.4	0.3	1.4	2.3	0.5	0.4	0.3	0.1	0.0	0.5	0.1
Transportation equipment	0.0	0.4	0.2	2.4	1.4	1.3	0.3	0.2	0.2	0.0	0.2	0.1
Instruments and related products	2.0	1.2	0.6	3.7	1.7	1.1	0.8	0.6	0.3	0.4	0.4	0.3
Nondurable goods industries	0.2	0.1	0.3	0.0	0.1	0.3	0.9	0.4	0.4	0.1	0.3	0.1
Food and kindred products	0.3	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.1
Tobacco products	0.0	0.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
Textile mill products	0.5	0.5	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.9	0.3
Paper and allied products	0.3	0.8	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.4	0.4
Chemicals and allied products	0.2	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
Petroleum and coal products	0.7	1.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	1.0	0.5
Rubber and plastics products	0.7	0.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.8	0.4
Capital goods industries:												
Nondefense	0.9	1.4	0.4	1.7	1.3	0.9	0.2	0.1	0.3	0.1	0.3	0.1
Defense	0.0	0.9	0.3	5.2	4.2	3.5	0.3	0.2	0.2	0.0	0.5	0.0

(X) Not applicable. (NA) Not available.

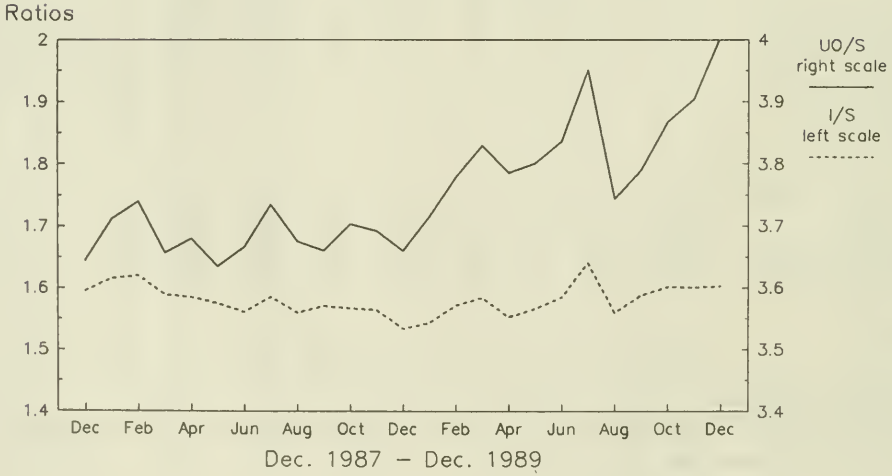
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments

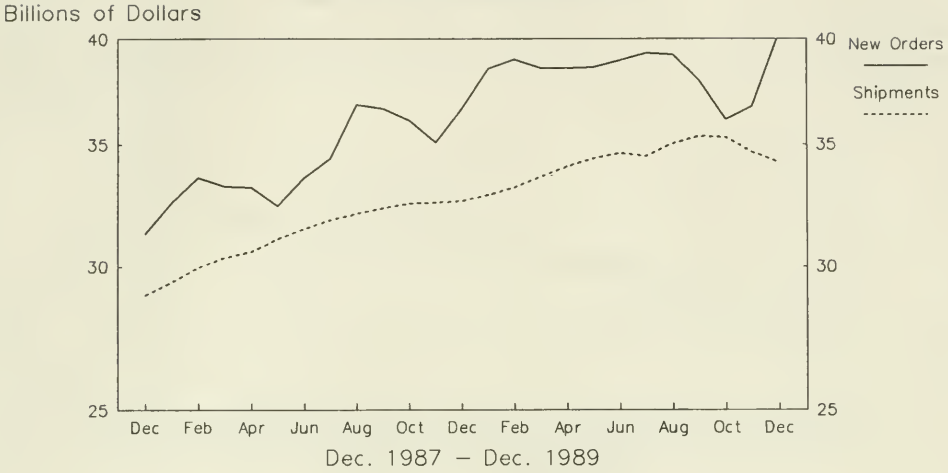


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

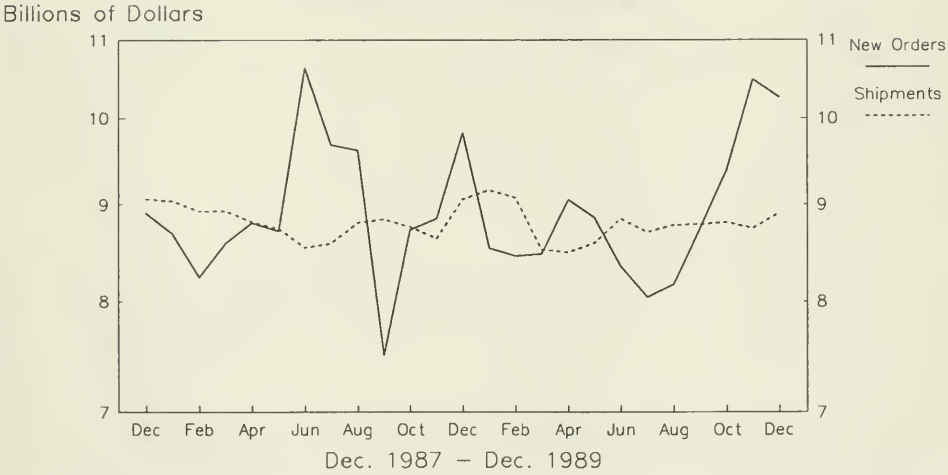


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

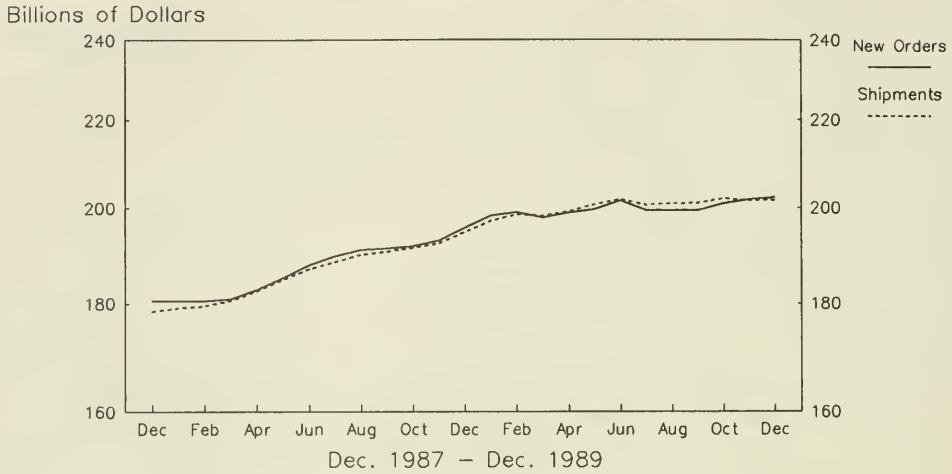


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

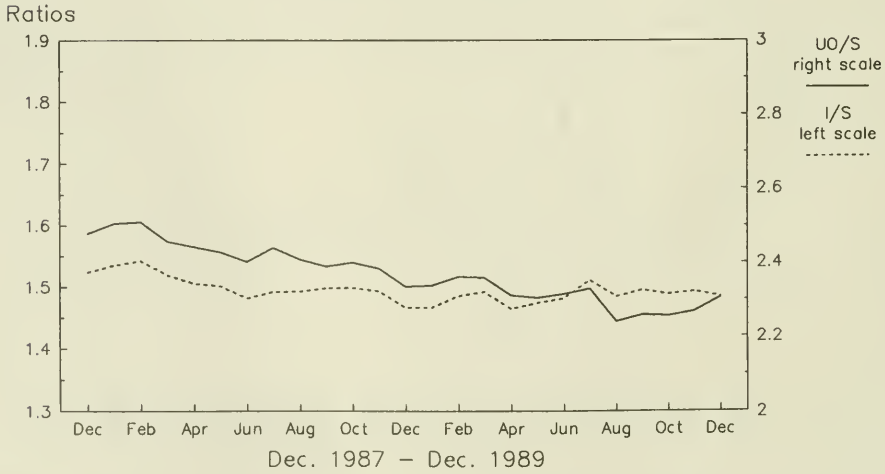


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Transportation
New Orders and Shipments
Three Month Moving Averages

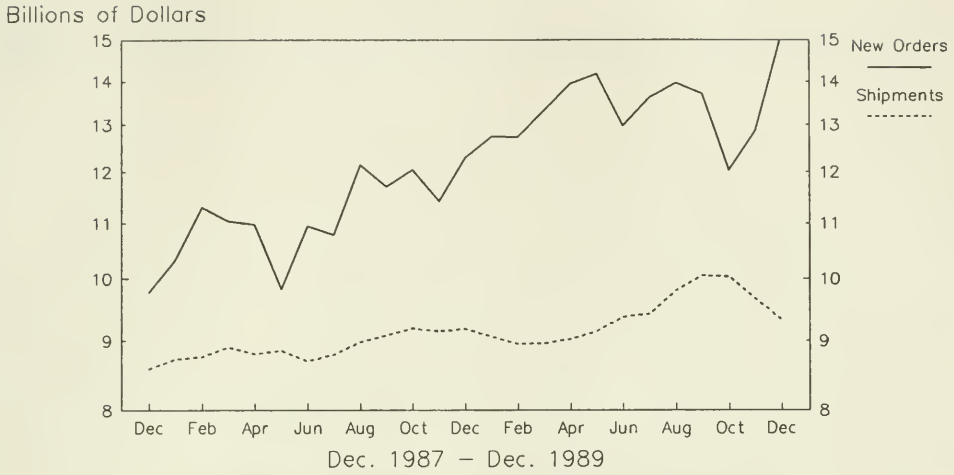


Total Manufacturing Excluding Transportation
Ratios of Unfilled Orders and
Inventories to Shipments

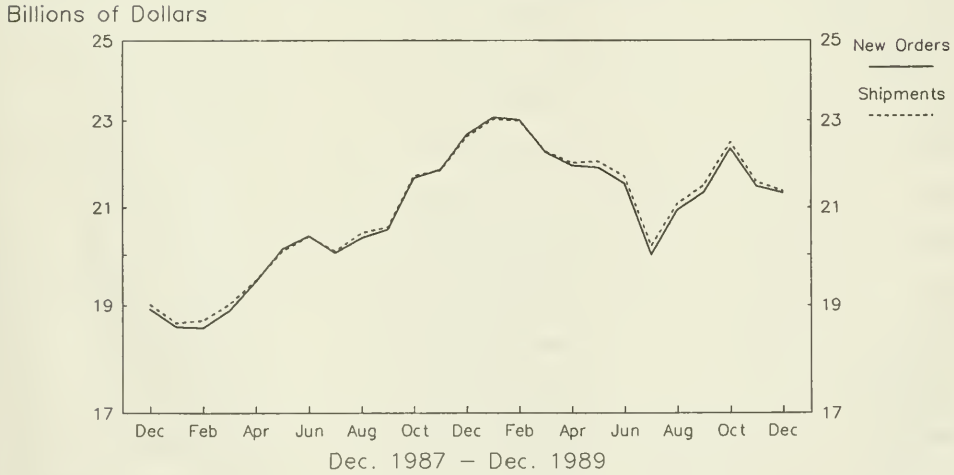


Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages



Automotive Equipment
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

PUBLICATION DATES FOR THE 1990 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January 1990	Tues., Feb. 27	Tues., Mar. 6
February	Fri., Mar. 23	Fri., Mar. 30
March	Tues., Apr. 24	Wed., May 2
April	Wed., May 23	Thurs., May 31
May	Fri., June 22	Tues., July 3
June	Wed., July 25	Thur., Aug. 2
July	Thur., Aug. 23	Thurs., Aug. 30
August	Wed., Sept. 26	Wed., Oct. 3
September	Wed., Oct. 24	Wed., Oct. 31
October	Wed., Nov. 28	Wed., Dec. 5
November	Thur., Dec. 27	Fri., Jan. 4, 1991
December	Fri., Jan. 25, 1991	Tues., Feb. 5, 1991

BOSTON PUBLIC LIBRARY
3 9999 06314 513 8